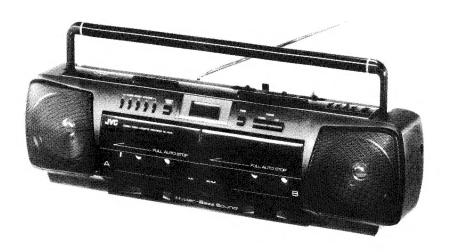
# JVC

# SERVICE MANUAL

## STEREO RADIO CASSETTE RECORDER

# RC-W410 B/E/G/GI/V/VX



Are	a	S	u	ffi.	x					
В.										U.K.
Ε.										Continental Europe
G.										W. Germany
GI									-	· · · · · · · · Italy
٧/٧	/)	(-								· · · Eastern Europe

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## 1 Safety Precautions

- The design of this product contains special hardware and many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- 2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by ( \(\triangle \)) on the Schematic Diagram and Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
- 5. Leakage current check (Electrical shock hazard testing)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

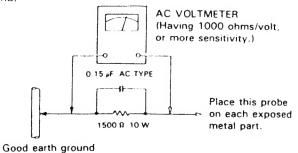
Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current
  from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the
  chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- · Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect-a 1,500  $\Omega$  10 W resistor paralleled by a 0.15  $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



## Warning

- 1. This equipment has been designed and manufactured to meet international safety standards.
- 2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.

#### **SAFETY PRECAUTIONS ABOUT RC-W410**

- 1. Since diodes D901, D902, D903 and D904 are heating units, wires are arranged not to touch them as shown in Fig. 1-1 ①.
  - Confirm that those parts are set vertically.
- 2. Check up wires connected to the power transformer, which must be bound together with as shown in Fig. 1-1 2.
- 3. Check up that single wires coming from a P.C. board are bound together with at the collective root near the board as shown in Fig. 1-1 ③.

4. Check up that all wires of motors and leaf switches are bound and secured with spacers at specific points respectively. (See Fig. 1-2 4 and 5.)

5. Make sure of speaker wires which should be soldered as they are twisted with each other as shown in Fig. 1-3 (6).

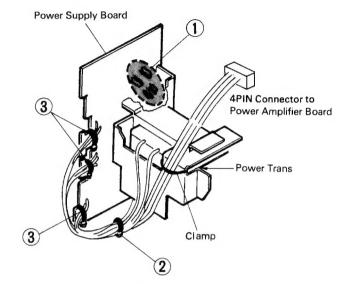


Fig. 1-1

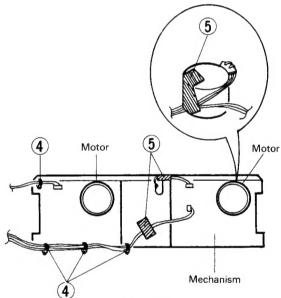


Fig. 1-2

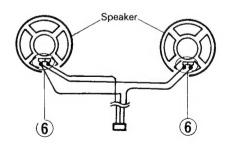


Fig. 1-3

### 2 Features

- Hyper-Bass Sound System with 3D on/off switch
- Three-band (FM/MW/LW) synthesizer tuner with Five-stations in each band (FM1, FM2, MW and LW) preset capability
- 4-element S.E.A. graphic equalizer
- Full auto-stop mechanism
- Synchro-start high-speed dubbing
- Relay play between two decks

# 3 Specifications

#### Tuner section

Frequency rranges : FM 87.5-108 MHz

MW 522-1629 kHz LW 144-290 kHz

Antennas

: Telescopic antenna for FM

Ferrite core antenna for MW & LW

#### Tape Recorder section

Track system : 4-track 2-channel stereo

Frequency response: 80-12,500 Hz Wow & flutter: 0.15 % (WRMS)

Fast wind time : Approx. 120 sec (C-60 cassette)

General

3D system : ASW (Acoustic Super Woofer)

Speakers : 10 cm x 2

Power output  $: 7.0 \text{ W} (3.5 \text{ W} + 3.5 \text{ W}) \text{ at } 8 \Omega \text{ and}$ 

8.0 W for 3D at 12  $\Omega$  (Max.) 4.0 W (2.0 W + 2.0 W) at 8  $\Omega$  and 6.0 W for 3D at 12  $\Omega$  (10% THD)

S.E.A. characteristics

S.E.A. center frequencies :  $100 \, \text{Hz} / 330 \, \text{Hz} / 2 \, \text{kHz} / 10 \, \text{kHz}$ 

S.E.A. control range :±8 dB

input jack : MIX MIC x 1 (3 mV/-50 dBV,

200  $\Omega$  – 2 k $\Omega$ )

Output jack : Headphones x 1 (20 mW/32  $\Omega$ ).

 $8\Omega - 1 k\Omega$ 

Power supply : DC 12 V (8 "R20" cells)

AC 220-240 V/110-120 V,

50/60 Hz

(RC-W410E only) Ext. DC IN 12 V (car battery via

optional CN-332 car adapter)

Power consumption: 18 W

Dimensions : 560(W) x 167(H) x 153(D) mm

(including knobs)

Weight : Approx. 3.9 kg (without batteries)

Design and specifications are subject to change without notice.

## 4 Names of Controls and Their Functions

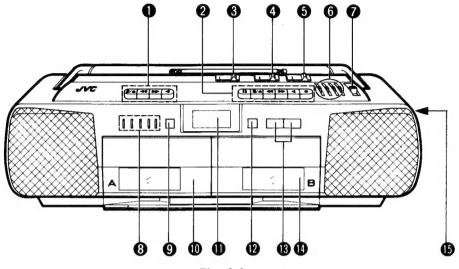


Fig. 4-1

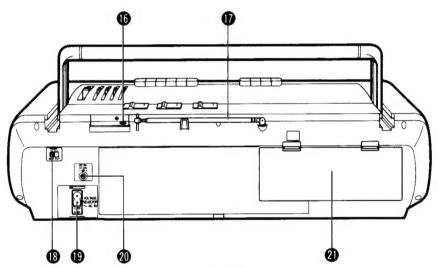


Fig. 4-2

- Cassette operation buttons (Deck A)
  - ■/ STOP/EJECT button
    - **◄** FF button
  - ►► REW button
    - **◄ PLAY button**
- 2 Cassette operation buttons (Deck B)
  - **III** PAUSE button
  - ■/▲ STOP/EJECT button
  - **◄** FF button
  - ►► REW button
    - PLAY button
    - **OREC** button
- TAPE/FM MODE switch
- 4 FUNCTION switch
- **5** 3D (HYPER-BASS SOUND) switch
- 6 4-BAND GRAPHIC EQUALIZER (S.E.A.) controls
- VOLUME control
- Preset station button
- PRESET SCAN button
- Cassette holder (Deck A)

- LCD digital display
  - Band indicator (FM1-FM2-MW-LW)
  - Radio frequency display
  - Preset station indicator
  - FM stereo (STEREO) indicator
- **BAND** button
- **B** TUNING control
  - **▼** DOWN frequency
  - ▲ UP frequency
- Cassette holder (Deck B)
- PHONES jack (3.5 mm dia. stereo mini)
- MIX MIC jack (3.5 mm dia. mini)
- Telescopic antenna
- B BEAT CUT switch
- 19 VOLTAGE SELECTOR/AC IN (AC input) jack
- **②** DC IN 12 V jack ( — → ) (RC-W410E only)
- Battery compartment cover

## **5** Location of Main Parts

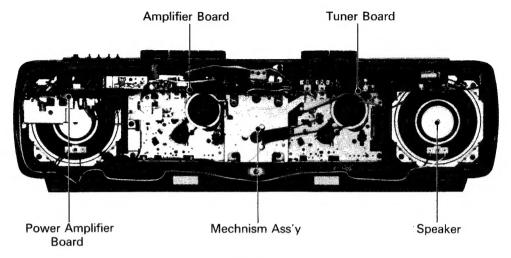


Fig. 5-1

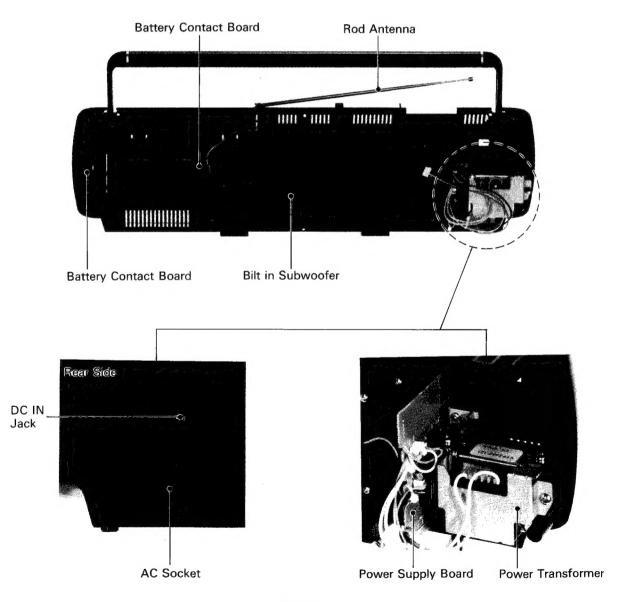


Fig. 5-2

#### ■ Mechanism Ass'y

#### Top View

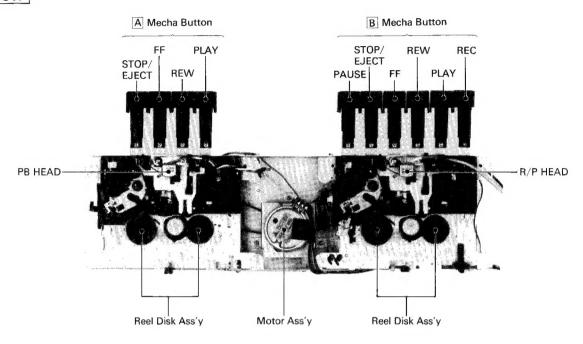


Fig. 5-3

#### **Bottom View**

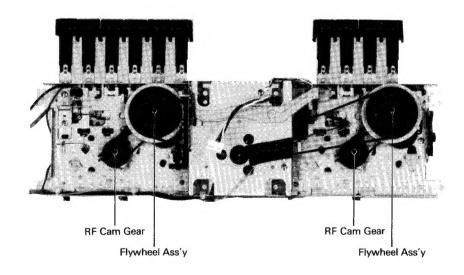


Fig. 5-4

## 6 Removal of Main Parts

#### ■ Rear Cabinet Ass'v

- Remove six screws (1) (M3 x 20) and (2) (M3 x 44) which secure the rear cabinet ass'y at the points indicated by a marks.
- In the course of detaching the rear cabinet ass'y, disconnect the antenna lead which is wired to the tuner board from TP1.
- Disconnect a connector CN901 from the power amplifier board.

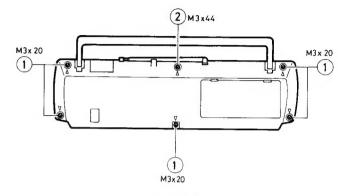


Fig. 6-1

#### ■ Speaker Unit for Hyper-Bass Sound

- Release the wire between the battery contact board and the power supply board from the guide for wire arrangement.
- 2. Release the wire from three wire clamps located by the right speaker.
- 3. Remove five screws 3 (M3 x 16) and six screws 4 (M3 x 16) securing the hyper-bass sound box. Therefore, the speaker unit can be seen.
- 4. By removing eight screws (5) (M3 x 16) from the hyperbass sound box, the speaker unit can be taken offM3 x 16

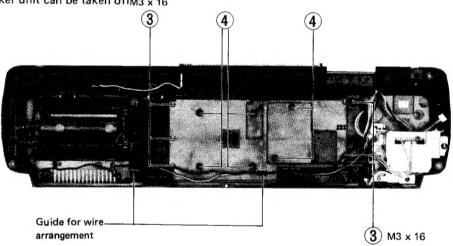
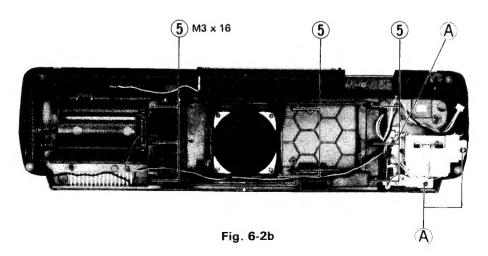


Fig. 6-2a



#### Tuner Board

Draw out the tuner board along the groove of the front cabinet ass'y.

#### ■ Main Board and Power Amplifier Board

- 1. Remove three knobs of the slide switches: TAPE/FM MODE, FUNCTION and 3D selectors.
- 2. Release the wire from three wire clamps located by the right speaker.
- 3. Remove adhesive tape securing the wire to the main board.
- 4. Remove two screws 6 (M3 x 45) and 7 (M3 x 45, black) securing the main board and power amplifier.
- 5. Detach the PHONES jack first, then the volume control and SEA switch, etc. one after another, and lastly take off the boards.
- 6. Disconnect connectors CN103, CN902, CN101, CN102 and CN401 from the Main board.

#### ■ Mechanism Ass'y

- 1. Remove the tuner board and amplifier board.
- 2. Remove nine screws (8) (M3 x 10) and (9) (M3 x 25) securing the mechanism ass'y.
- 3. Draw out the Rec. lever.



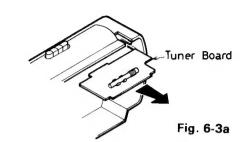
Remove ten screws (10) (M2 x 4) securing operation buttons to the mechanism.

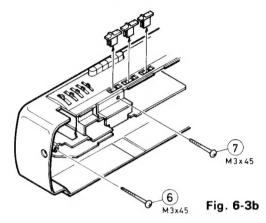
#### ■ Synthesizer/LCD Board

Remove two screws (1) (M3 x 8) securing the Synthesizer/ LCD board.

#### ■ Power Transformer and Power Supply Board (Fig. 6-2b)

- 1. Remove three screws (A) retaining the power transformer and power supply board.
- 2. Remove two screws from transformer bracket. (When re-assembling, make sure of the correct direction to set the transformer bracket,)





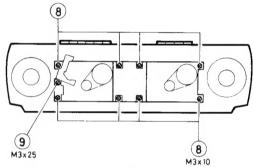


Fig. 6-4

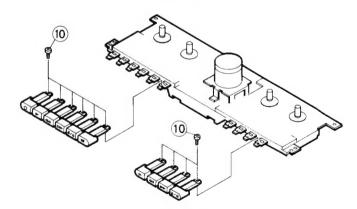


Fig. 6-5

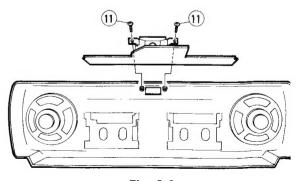


Fig. 6-6

## 7 Main Adjustments

#### (1) Equipment and Measuring Instrument used for Adjustments

• Electronic voltmeter

• Audio frequency oscillator

Attenuator

Wow-flutter meter

Frequency counterStandard signal generator

• Torque testing cassette gauge CTG-N

Alignment tape

• Measuring tape: TS-8 (UR)

#### (2) Function of Cassette

#### • Condition for Measurement

Power supply . . . . . AC 220-240 V/110-120 V (50/60 Hz) Function position . . TAPE/FM MODE : TAPE NORMAL

DC 12 V

Reference output . . . Speaker  $\,:\,$  0 dBs (0.775 V)/8  $\Omega$ 

Headphone : -13 dBs (0.173 V)/32 Ω

3D :  $12 \Omega$ 

FUNCTION : NORMAL SPEED SEA : Center 3D : OFF

3D : OFF BEAT CUT : NORMAL

Reference Input . . . . Ext. MIC : -46 dBs

#### Routine of Check and Adjustment

No.	Item	Measuring Tape	Check and Adjustment	Adjusting Point
1	Tape speed and Wow-flutter check · adjustment	VTT712 (3 kHz)	Play back the end portion of the VTT712 test tape and check up the following standards.  • B Deck: at Normal speed Less than 0.38% (JIS UNWTD)	VR331 Check Check Check
2	High-speed and Synchro dubbing check	VTT712 (3 kHz) TS-8 (UR)	<ol> <li>Loading VTT712 on A Deck and Blank tape TS-8(UR) on B deck.</li> <li>Function position: HIGH SPEED</li> <li>B Deck: REC/PAUSE</li> <li>B Deck pause to be released when playing A Deck, then start High-speed dubbing.</li> <li>High speed: Within 5600 Hz ± 400 Hz to be check</li> </ol>	Check
3	Head azimuth adjustment	VTT703L (10 kHz)	<ol> <li>Play back VTT703L, both A and B Deck.</li> <li>Obtain maximum Playback output for this adjustment.</li> <li>Phase difference to be minimized.</li> <li>Screw lock to be applied after adjustment.</li> </ol>	Left side screw of PB or R/P head
4	Playback out- put level check	VTT724 (1 kHz)	Play back the VTT724 tape on B Deck and confirm that level difference between R and L channels is within 4 dB. (Measuring point: Headphone output)	Check
5	Playback frequency characteristics	VTT736 (1 kHz/125Hz, 1 kHz/8 kHz)	<ol> <li>Play back VTT736 difference level against 1 kHz.         A Deck, B Deck Measuring point : Headphone output 1 kHz/125 Hz : 0 dB ± 4 dB         1 kHz/8 kHz : 1 dB ± 4 dB     </li> <li>Tape mode switched to Metal/CrO<sub>2</sub>         Play back VTT736 and check the difference between 1 kHz and 8 kHz at Headphone output.         B Deck : within -1 dB ± 3 dB     </li> </ol>	Check
6	Bias frequency		<ol> <li>B Deck: REC mode, Beat Cut: Position 1</li> <li>Leakage of Bias at Headphone to be checked with frequency counter.         <ul> <li>72 kHz ± 3 kHz to be adjusted with L321</li> </ul> </li> <li>Bias frequency to be checked for beat cut position 2 and position 3.         <ul> <li>Position 2: 70 kHz ± 3 kHz</li> <li>Position 3: 68 kHz ± 3 kHz</li> </ul> </li> </ol>	L321
7	Rec/Playback frequency characteristics	TS-8 (UR)	Reference signal -20 dB to be applied to Mic, and difference level between 125 Hz and 8 kHz against 1 kHz to be checked.  1 kHz/125 Hz: -2 dB ± 4 dB 1 kHz/8 kHz: +2 dB <sup>+5</sup> / <sub>-4</sub> dB	Check
8	Maximum output	VTT722	Play back VTT722. Measuring point: Headphone output Output more than 28 mW (0.95 V) at SEA max.	Check

#### (3) Tuner Section

#### 1.) Condition

Supply voltage: AC 110-120/220-240 V(50/60 Hz)
 DC 12 V

• Applied voltage of the Tuner : DC 6V

• Reference output : Speaker ; 20 mW (0.4 V)/8  $\Omega$ Headphone; 0.3 mW (0.1 V)/32  $\Omega$ 

Input signal: (AM) Modulation frequency; 400 Hz, 30%
 (FM) Modulation frequency; 400 Hz, 225 kHz dev.

Set position of Volume and Switch: SEA; Center
 3D; OFF

#### 2.) Attentive point

• Connection of IF sweeper:

Connect a 30 pF capacitor and a 33 k $\Omega$  resistor in series to the sweeper's output while 0.082  $\mu$ F capacitor and a 100 k $\Omega$  resistor in parallel to the input,

IF sweeper's output level :

Set as minimum as enough for adjustment.

• FM MPX adjustment :

For this adjustment, connect a 100  $k\Omega$  resistor in series to a frequency counter's input.

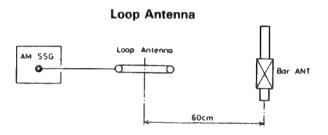
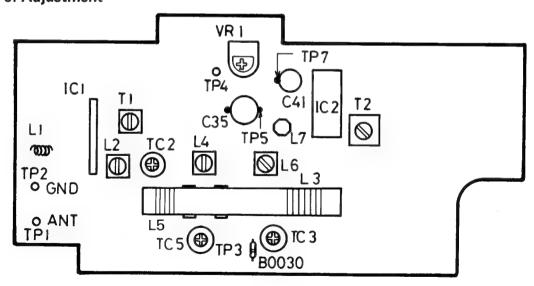


Fig. 7-1

#### ■ Location of Adjustment



**Tuner Board** 

Fig. 7-2

#### • Routine of Check and Adjustment

No.	Item	Check Point	Adjustment Position	Condition	Adjustment, Confirmation
1	AM IF adjustment Since the AM IF circuit of this model is non- adjusting subject, do not disturb or adjust T2 unless it needs to be adjusted after repair.		Т2	RADIO/AM	In reception of 1404kHz signal, adjust T2 for the best sensitivity.
2	FM IF adjustment  Since the FM IF circuit of this model is non-adjusting subject, do not disturb or adjust T1 unless it needs to be adjusted after repair.  VR1  T1  VR1  T1  TP4  C41  TP5  C35  C35  C7	7 /	T1	Tune to a frequency near 108 MHz not to receive any input signal.	1) Remove L7 once to obtain single-peak waveform, and adjust T1 to maximize 10.7 MHz signal level.  2) After the adjustment, set and connect L7 as it was.
3	L5 (B) TD 3 (C)	Input through Standard loop antenna Output at TP3  L6 3 TC 3 0030	L4 L3 TC3 L3, TC3	RADIO/LW	<ol> <li>Receive 144 kHz signal.</li> <li>Adjust L4 to obtain 1.3 V ± 0.05 V as output level at TP3.</li> <li>In reception of 144 kHz signal adjust L3 to obtain maximum output level.</li> <li>Receiving 290 kHz signal, adjust TC3 to obtain maximum output level.</li> <li>Alternately repeat the above steps 3) and 4) to obtain maximum outputs respectively.</li> </ol>
4	MWRF Tracking adjustment  L4 TPS  L5 TC 5 TC 5 TP3 BOOK	Standard loop antenna Output at TP3	L6 L5 TC5 L5, TC5	RADIO/AM	<ol> <li>Receive 522 kHz signal.</li> <li>Adjust L6 to obtain 1.2 V ± 0.05 V as output level at TP3.</li> <li>In reception of 603 kHz signal adjust L5 to obtain maximum output level.</li> <li>Receiving 1404 kHz signal, adjust TC5 to obtain maximum output level.</li> <li>Alternately repeat the above steps 3) and 4) to obtain maximum outputs respectively.</li> </ol>

No.	Item	Check Point	Adjustment Position	Condition	Adjustment, Confirmation
5	FM RF Tracking adjustment  ICI TI  LI  TP2 O GND O ANT TP1 TO	Input: TP1 Output: TP3	L2 TC2 L2, TC2	RADIO/FM	<ol> <li>In reception of 87.5 MHz signal, adjust L1 to obtain 1.1<sup>+0.1</sup><sub>-0.05</sub> V as output level at TP3.</li> <li>After the adjustment, apply wax to L1 to secure it.</li> <li>In reception of 88.0 MHz signal, adjust L2 to obtain maximum output level.</li> <li>In reception of 106 MHz signal, adjust TC2 for maximum output.</li> <li>Alternately repeat the above steps 3) and 4) to obtain maximum outputs respectively.</li> </ol>
6	FM MPX (multiplex) adjustment  VR 1  O  TP4  100 kΩ	Output: Hot side: TP4 Grounding side: TP7  TP7  C41 IC2 T2  Valve Voltmeter s near to the clip as poss	VR1 Frequency Cou	RADIO/FM	<ol> <li>Receive FM signal of non-modulated 106 MHz, 60 dB.</li> <li>Connect a valve voltmeter to TP4 with a 100 kΩ resistor between them.</li> <li>In the condition that TP4's output level is set so high that the valve voltmeter reads to the full extent, supply the output from the voltmeter to a frequency counter for measurement.</li> <li>Adjust VR1 so that the frequency counter reads 75.75 ± 0.1 kHz.</li> <li>Check up frequency separation.</li> </ol>

# 8 Block Diagrams

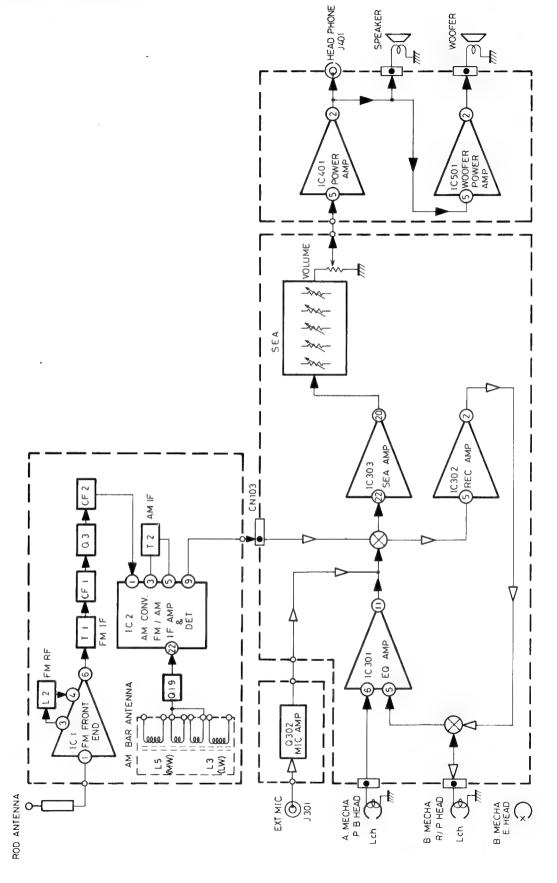


Fig. 8-1

## **9** Wiring Connections 9 10 Synthe. Board Tuner Board T. Antenna Main Board Shield 3D Speaker Pilot Lamp B. Mecha Head A. Mecha Head Board Mic Amp Board Power Supply € To Mecha Chassis B. Mecha Motor Switch Power Amp Board A. Mecha Motor Switch Speaker Color codes are shown below. Power Trans A.Mecha Play Switch 1 . . . . Brown 2 . . . . Red 3 . . . . Orange 4 . . . . Yellow Batt. Contact Board Batt. Contact Board 5 . . . . Green 6 . . . . . Blue

Fig. 9-1

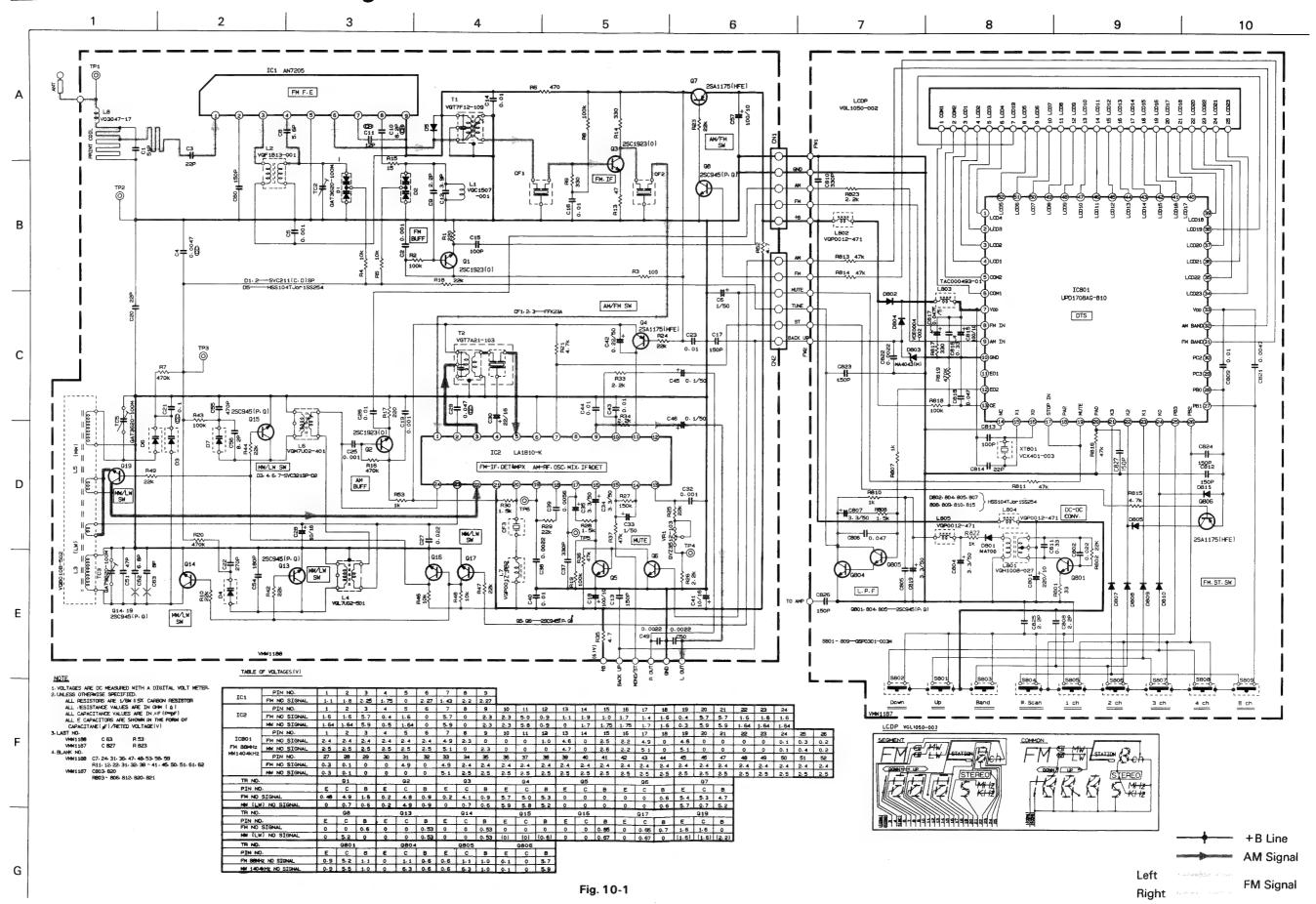
G

(No. 1768) 15

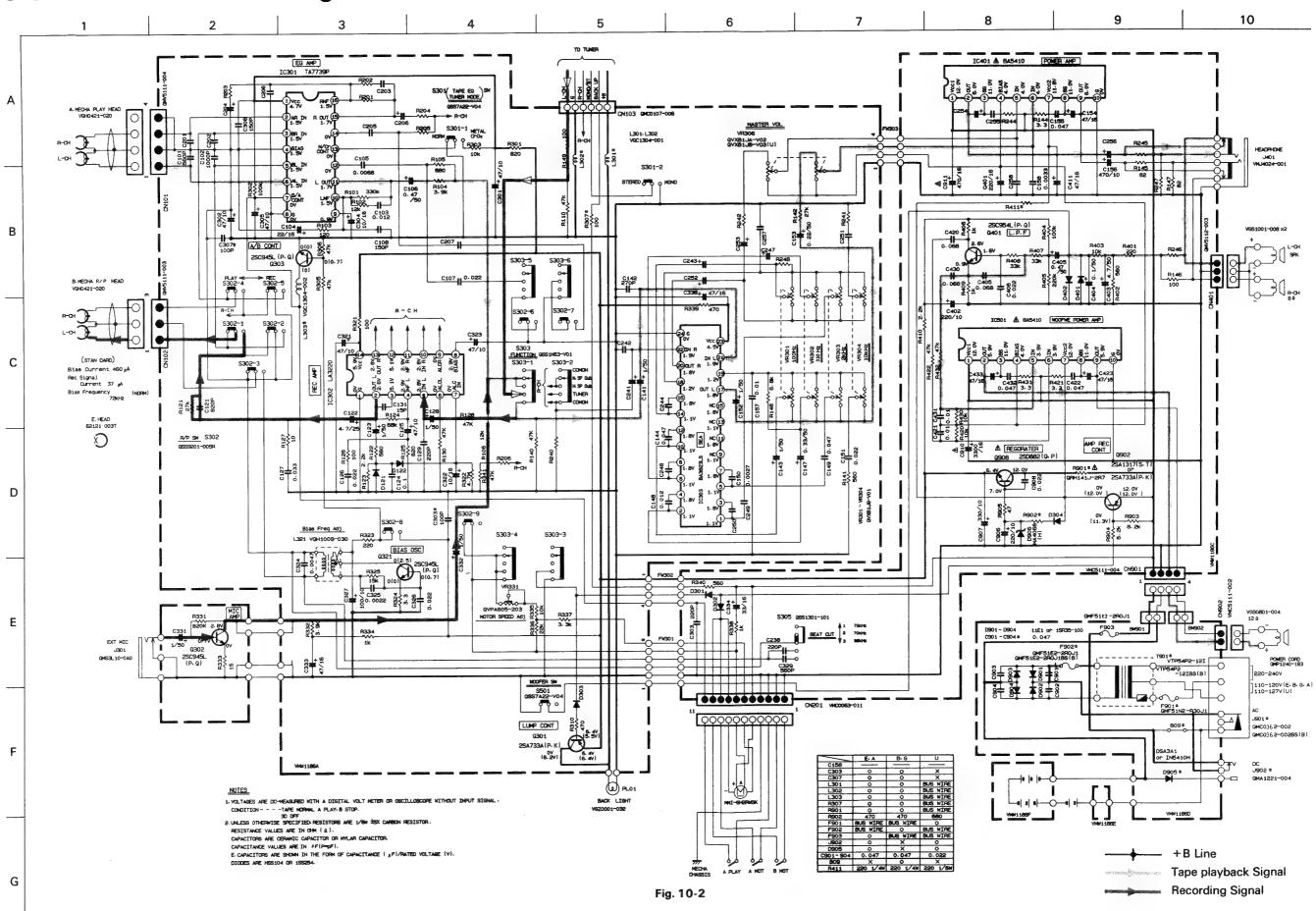
7 . . . . Violet 8 . . . . Grey 9 . . . . White

0 . . . . Black

## 10 Standard Schematic Diagram (Tuner Section)



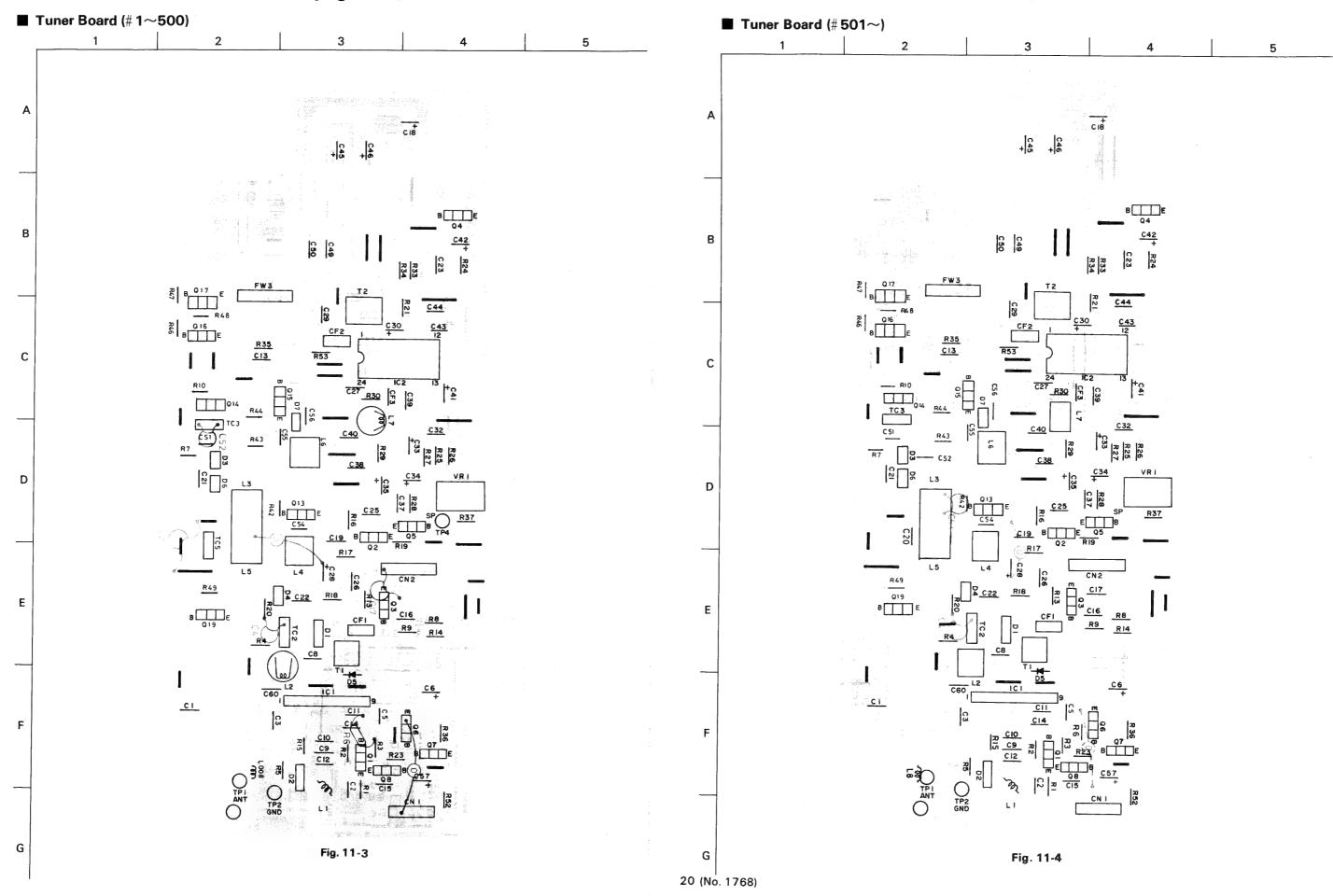
# Standard Schematic Diagram (Amplifier Section)



## 11 Location of P.C. Board and Parts List (The Parts List Can be found on page 21.)

■ Main P.C. Board (#1~500) 8 9 10 R225 C231 C224 EN + N C129 +C128 R130 C202 C201 C306 C204 С 8 E O 88 W 90 I Ε 0 R904 R903 B \_\_\_\_\_E Q902 G Fig. 11-1 18 (No. 1768)

### (The Parts List Can be found on page 22.)



#### ■ Main P.C. Board Parts List

Ľ	REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION	
	CN101	QMV5011-004	CONNECTOR		
	CN102	QMV5011-003	CONNECTOR	]	
	CN103	VMC0107-006	SOCKET		
	CN201 CN401	VMC0063-011 QMV5012-003	CONNECTOR		
-	CN402	QMV5011-004	CONNECTOR		
	CN902	QMV5011-002	CONNECTOR		
	C101	QCBB1HK-561Y	C.CAPACITOR	560PF 10% 50V	
	C102	QCS11HJ-681	C-CAPACITOR	680PF 5% 50V	
	C103	QCC31EM-123ZV	C.CAPACITOR	.012MF 20% 25V	
	C104 C105	QETB1CM-226 QCY31HK-682Z	E CAPACITOR C.CAPACITOR	22MF 20% 16V 6800PF 10% 50V	
	C106	QETC1HM-474ZN	E.CAPACITOR	.47MF 20% 50V	
	C107	QCC31EM-2232V	C CAPACITOR	.022MF 20% 25V	
	C108	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	_
	C121	QCS11HJ-821	C.CAPACITOR	820PF 5% 50V	
	C122	QETC1EM-475ZN	E.CAPACITOR	4.7MF 20% 25V	
	C123	QETC1HM-105ZN	E.CAPACITOR C CAPACITOR	1.0MF' 20% 50V .10MF 20% 25V	
	C124 C125	QCC31EM-104ZV QETC1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
٠-	C126	QCC31EM-683ZV	C.CAPACITOR	.068MF 20% 25V	
	C127	QCC31EM-333ZV	C.CAPACITOR	.033MF# 20% 25V	
	C128	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	
	C129	QCBB1HK-221Y	C.CAPACITOR	220PF 10% 50V	
	C131	QCSB1HJ-150Y	C.CAPACITOR	15PF 5% 50V	_     .
	C141	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V 270PF 10% 50V	
	C142	QCBB1HK-271Y QETC1HM-105ZN	C CAPACITOR E.CAPACITOR	270PF 10% 50V 1.0MF 20% 50V	
	C143 C144	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V	
	C144	QETA1HM-334N	E CAPACITOR	.33MF 20% 50V	
	C148	QCC11EM-123V	C CAPACITOR	.012MF 20% 25V	_
	C149	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V	
	C150	QCY31HK-272Z	C.CAPACITOR	2700PF 10% 50V	Δ
	C151	QCC31EM-223ZV	C CAPACITOR	.022MF 20% 25V	Δ
	C152	QETC1HM-105ZN QETC1HM-224ZN	E.CAPACITOR E.CAPACITOR	1.0MF 20% 50V .22MF 20% 50V	_   _
	C153	QETC1CM-476ZN	E.CAPACITOR	47MF 20% 16V	Δ
	C155	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V	A
	C156	QETB1AM-477N	E.CAPACITOR	470MF 20% 10V	
	C157	QCC31EM-103ZV	C CAPACITOR	.010MF 20% 25V	_   _
	C158	QCXB1CM-332Y	C CAPACITOR	3300PF 20% 16V	
	C201	QC881HK-561Y	C.CAPACITOR	560PF 10% 50V 680PF 5% 50V	Ι Δ
	C202	QCS11HJ-681 QCC31EM-123ZV	C.CAPACITOR C.CAPACITOR	.012MF 20% 25V	Δ
	C204	QETB1CM-226	E CAPACITOR	22MF 20% 16V	
-	C205	QCY31HK-682Z	C.CAPACITOR	6800PF 10% 50V	_   A
	C206	QETC1HM-474ZN	E.CAPACITOR	.47MF 20% 50V	A
ŀ	C207	QCC31EM-223ZV	C CAPACITOR	.022MF 20% 25V	1 1
	C208	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
L	C221	QCS11HJ-821	C.CAPACITOR	820PF 5% 50V 4.7MF 20% 25V	-  L
ı	C222	QETC1EM-475ZN QETC1HM-105ZN	E.CAPACITOR E.CAPACITOR	4.7MF 20% 25V 1.0MF 20% 50V	
ĺ	C224	QCC31EM-104ZV	C CAPACITOR	.10MF 20% 25V	
	C225	GETC1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
Ĺ	C226	QCC31EM-683ZV	C.CAPACITOR	.068MF 20% 25V	_
ĺ	C227	QCC31EM-333ZV	C.CAPACITOR	.033MF 20% 25V	_[ [**
	C228	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V 220PF 10% 50V	[ ]
	C229 C231	QC8B1HK-221Y QCSB1HJ-150Y	C.CAPACITOR C.CAPACITOR	15PF 5% 50V	Δ
	C241	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	Δ
-	C242	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C243	QETC1HM-1052N	E.CAPACITOR	1.0MF 20% 50V	1 1
	C244	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V	
	C247	QETA1HM-334N	m CAPACITOR	.33MF 20% 50V	
	C248	QCC11EM-123V	C CAPACITOR	.012MF 20% 25V	-l l-
	C249 C250	QCC31EM-473ZV QCY31HK-272Z	C CAPACITOR C.CAPACITOR	.047MF 20% 25V 2700PF 10% 50V	
	C250	QCC31EM-223ZV	C CAPACITOR	.022MF 20% 25V	
	C252	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V	
	C253	QETC1HM-224ZN	E.CAPACITOR	.22MF 20% 50V	_
-	C254	QETC1CM-476ZN	E.CAPACITOR	47MF 20% 16V	
	C255	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V	
	C256	QETB1AM-477N	E.CAPACITOR	470MF 20% 10V	
	C257	QCC31EM-103ZV	C CAPACITOR	.010MF 20% 25V 3300PF 20% 16V	
	C258 C301	QCXB1CM-332Y QER61CM-476Z	C CAPACITOR E.CAPACITOR	47MF 20% 16V	-
	C302	GETC1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C302	GCBB1HK-221Y	C.CAPACITOR	220PF 10% 50V	+ 1
	C304	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V	
	C305	QER61CM-476Z	E.CAPACITOR	47MF 20% 16V	_  I
	C306	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C307	QCS11HJ-101	C CAPACITOR	100PF 5% 50V	
	C321	QETC1AM-476ZN	E.CAPACITOR	47MF 20% 10V	
	C322	QETC1CM-106ZN QETC1AM-476ZN	E-CAPACITOR E-CAPACITOR	10MF 20% 16V 47MF 20% 10V	
-	C323	QFN81HJ-472	M CAPACITOR	4700PF 5% 50V	<b>⊣</b> [-
	C325	QCY31HK-222Z	C.CAPACITOR	2200PF 10% 50V	
	C326	QCC31EM-223ZV	C CAPACITOR	.022MF 20% 25V	
1	C327	QETC1AM-107ZN	E.CAPACITOR	100MF 20% 10V	
	C328	QCBB1HK-221Y	C.CAPACITOR	220PF 10% 50V	_     _
1	C329	QCBB1HK-561Y	C.CAPACITOR	560PF 10% 50V	
	C331	QER61HM-105ZM	E CAPACITOR	1.0MF 20% 50V	
	C332	QER61HM-105ZM	E CAPACITOR	1.0MF 20% 50V	
	C333	QER61CM-476Z	E.CAPACITOR	47MF 20% 16V 33MF 20% 16V	
	C334	QETC1CM-336ZN QETA1AM-477N	E CAPACITOR E CAPACITOR	470MF 20% 10V	-
-		QER61CM-476Z	E.CAPACITOR	47MF 20% 16V	
-	C336		- ouni nul iun		1 1
-	C336 C401		E.CAPACITOR	220MF 20% 16V	1 1
-	C336 C401 C402	QETC1CM-227ZN QETC1AM-227ZN QETC1HM-475ZN	E.CAPACITOR E CAPACITOR	220MF 20% 16V 220MF 20% 10V 4.7MF 20% 50V	

Т		T		BBBBB I BB I AN
Δ	REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
j	C404	GETC1HM-104ZN	E.CAPACITOR	.10MF 20% 50V
	C405	QETC1HM-474ZN	E.CAPACITOR	.47MF 20% 50V
Т	C406	QCC31EM-223ZV	C CAPACITOR C.CAPACITOR	.022MF 20% 25V .068MF 20% 25V
ı	C407	QCC31EM-683ZV QETC1CM-476ZN	E.CAPACITOR	47MF 20% 16V
+-	C411 C420	QCC31EM-683ZV	C.CAPACITOR	.068MF 20% 25V
1	C421	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V
ı	C422	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V
1	C423	QETC1CM-476ZN	E.CAPACITOR	47MF 20% 16V
	C430	QCC31EM-683ZV	C.CAPACITOR	.068MF 20% 25V
	C431	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V
1	C432	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V
ı	C433	QETC1CM-476ZN QCF31HP-473Z	E.CAPACITOR C.CAPACITOR	47MF 20% 16V .047MF +100:-0% 50V
ı	C901 C902	QCF31HP-473Z	C.CAPACITOR	.047MF +100:-0% 50V
	C903	QCF31HP-473Z	C.CAPACITOR	.047MF +100:-0% 50V
П	C904	QCF31HP-473Z	C.CAPACITOR	.047MF +100:-0% 50V
ı	C906	QETC1AM-227ZN	E CAPACITOR	220MF 20% 10V
1	C907	QETC1AM-337ZN	E.CAPACITOR	330MF 20% 10V
l.	C908	QCF31HP-223Z	C.CAPACITOR	.022MF +100:-0% 50V
M	C910	QETB1CM-338N	E.CAPACITOR	3300MF 20% 16V
1	C911	QETB1CM-477N	E CAPACITOR	470MF 20% 16V
	D121	1SS254T-77	SI DIODE	
	D122	1SS254T-77	SI DIODE	
ŀ	D222	1\$\$254T~77 1\$\$254T~77	SI DIODE	
	D301	155254T-77	SI DIODE	
1	0302	1\$\$254T-77	SI DIODE	
1	0303	1SS254T-77	SI DIODE	
1	D304	1SS254T-77	SI DIODE	
T	D401	1SS254T-77	SI DIODE	
	0402	1SS254T-77	SI DIODE	
2	0901	1SR35-100AT-93	SI DIODE	
Δ	D902 D903	1SR35-100AT-93	SI DIODE	
△.	D903	1SR35-100AT-93 1SR35-100AT-93	SI DIODE	
A.	D905	1N5401M	DIODE	
A	D906	MA4068(H)TA	Z DIODE	
l	10301	TA7739P	10	
_	10302	LA3220	I C	
	10303 10401	BA3823LS BA5410	1 C	
Δ.	16501	BA5410	IC	1
٦	J301	GMS3L10-0A0	3.5 JACK(JES)	
	J401	VMJ4024-001	JACK	
۵	J901	QMC0362-002	AC SOCKET	
۵	1905	QMA1221-004	DC JACK	
	L301	VQC1304-001	COIL	
	L302	VQC1304-001 VQC1304-002	COIL	
+	£303 L321	VQH1009-030	OSC COIL(BIAS)	
	PL01	VGZ0001-032	PILOT LAMP	
1	9301	2SA952(L.K)	TRANSISTOR	
1	Q302	2SC945L(P,Q)-T	TRANSISTOR	
	Q303	25C945L(P,Q)-T	TRANSISTOR	
Ì	9321	25C945L(P,Q)-T	TRANSISTOR TRANSISTOR	
	Q401 Q901	2SC945L(P,Q)-T 2SD882(Q,P)	TRANSISTOR	
<u>^</u>	Q902	2SA733A(P,K)-T	TRANSISTOR	
1	R101	QRD161J-334Y	CARBON RESISTOR	330K 5% 1/6W
1	R102	QRD161J-123Y	CARBON RESISTOR	12K 5% 1/6W
1	R103	QRD161J-121Y	CARBON RESISTOR	120 5% 1/6W
1	R104	QRD161J-392Y	CARBON RESISTOR	
1	R105	QRD161J-681Y	CARBON RESISTOR	
- -	R106	QRD161J-123Y QRD161J-473Y	CARBON RESISTOR	
1	R110 R121	QRD161J-273Y	CARBON RESISTOR	
-	R122	QRD161J-561Y	CARBON RESISTOR	
1	R123	QRD161J-222Y	CARBON RESISTOR	
	R124	QRD161J-683Y	CARBON RESISTOR	68K 5% 1/6W
T	R125	QRD161J-181Y	CARBON RESISTOR	
	R126	QRD161J-330Y	CARBON RESISTOR	33 5% 1/6W
1	R127	QRD161J-100Y	CARBON RESISTOR CARBON RESISTOR	47K 5% 1/6W
1	R128 R130	QRD161J-473Y QRD161J-332Y	CARBON RESISTOR	3.3K 5% 1/6W
+	R140	QRD161J-473Y	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	47K 5% 1/6W
	R141	QRD161J-561Y	CARBON RESISTOR	560 5% 1/6W
	R142	QRD161J-273Y	CARBON RESISTOR	27K 5% 1/6W
	R144	QRD161J-3R3Y	CARBON RESISTOR	3.3 5% 1/6W
-	R145	QRD161J-820Y	CARBON RESISTOR	100 5% 1/64
1	R146 R147	QRD161J-101Y QRD161J-820Y	CADRON DECICEOR	02 59 1/44
	R147	QRD161.E-682	CARBON RESISTOR	6.8K 5% 1/6W
	R149	QRD161J-101Y	CARBON RESISTOR	100 5% 1/6W
	R201	QRD1613-334Y	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	330K 5% 1/6W
	R202	QRD161J-123Y	CARBON RESISTOR	12K 5% 1/6W
	R203	QRD161J-121Y	CARBON RESISTOR	120 5% 1/6W
	R204 R205	QRD161J-392Y	CARBON RESISTOR	680 5% 1/6W
	K / () 3	QRD161J-681Y	CARBON RESISTOR	12K 5% 1/6W
			The state of the s	
-	R206	QRD161J-123Y QRD161J-473Y	CARBON RESISTOR	47K 5% 1/6W
-		QRD161J-473Y QRD161J-273Y	CARBON RESISTOR	27K 5% 1/6W
	R206 R210	QRD161J-473Y QRD161J-273Y QRD161J-561Y	CARBON RESISTOR	27K 5% 1/6W 560 5% 1/6W
	R206 R210 R221 R222 R223	QRD161J-473Y QRD161J-273Y QRD161J-561Y QRD161J-222Y	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	27K 5% 1/6W 560 5% 1/6W 2.2K 5% 1/6W
	R206 R210 R221 R222 R223 R224	QRD161J-473Y QRD161J-273Y QRD161J-561Y QRD161J-222Y QRD161J-683Y	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	27K 5% 1/6W 560 5% 1/6W 2.2K 5% 1/6W
	R206 R210 R221 R222 R223 R224 R225	QRD161J-473Y QRD161J-273Y QRD161J-561Y QRD161J-222Y QRD161J-683Y QRD161J-181Y	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	27K 5% 1/6W 560 5% 1/6W 2.2K 5% 1/6W 68K 5% 1/6W 180 5% 1/6W
	R206 R210 R221 R222 R223 R224	QRD161J-473Y QRD161J-273Y QRD161J-561Y QRD161J-222Y QRD161J-683Y QRD161J-181Y QRD161J-330Y	CARBON RESISTOR	27K 5% 1/6W 560 5% 1/6W 2.2K 5% 1/6W 68K 5% 1/6W 180 5% 1/6W 33 5% 1/6W
	R206 R210 R221 R222 R223 R224 R225 R226	QRD161J-473Y QRD161J-273Y QRD161J-561Y QRD161J-222Y QRD161J-683Y QRD161J-181Y	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR	27K 5% 1/6W 560 5% 1/6W 2.2K 5% 1/6W 66K 5% 1/6W 180 5% 1/6W 33 5% 1/6W 10 5% 1/6W 47K 5% 1/6W



REF. NO										
R241   R01613-5617   CARBON RESISTOR 560 5% 1/6W   R02	Δ	REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION	A REF	. NO	PARTS NO.	PARTS NAME	DESCRIPTION
R241   R01613-5617   CARBON RESISTOR 560 5% 1/6W   R02		P2/0	OPD1411-4739	CAPBON PESISTON	47K 58 1/6W	I Por	12	DRD161.J-471Y	CARBON RESISTOR	470 5% 1/6W
R242   R26151-2737   CARBON RESISTOR 27X SX 1/6W   R264										
### R245   RR01611-020Y   CARBON RESISTON RESIST										
R244										
R247 ORDIGIJ-0627 CARBON RESISTOR B2 SX 1/6W R248 ORDIGIJ-062 CARBON RESISTOR 6.8K SX 1/6W R249 ORDIGIJ-062 CARBON RESISTOR 100 SX 1/6W R301 ORDIGIJ-0217 CARBON RESISTOR 100 SX 1/6W R302 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R303 ORDIGIJ-1037 CARBON RESISTOR 100 SX 1/6W R304 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R305 ORDIGIJ-1037 CARBON RESISTOR 100 SX 1/6W R306 ORDIGIJ-0317 CARBON RESISTOR 47K SX 1/6W R307 ORDIGIJ-0317 CARBON RESISTOR 82 SX 1/6W R308 ORDIGIJ-0317 CARBON RESISTOR 82 SX 1/6W R310 ORDIGIJ-0317 CARBON RESISTOR 82 SX 1/6W R321 ORDIGIJ-0317 CARBON RESISTOR 82 SX 1/6W R322 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R323 ORDIGIJ-0327 CARBON RESISTOR 100 SX 1/6W R333 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R334 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R335 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R336 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R337 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R338 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R339 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R340 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R341 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R341 ORDIGIJ-0317 CARBON RESISTOR 100 SX 1/6W R341 ORDIGIJ-0317 CARBON RES										47 3% 174#
R248   ORDIGIJ-062   CARBON RESISTOR 6.8K 5% 1/6W   S300   OSS1801-015   SLIDE SW     R249   ORDIGIJ-015   CARBON RESISTOR 100 5% 1/6W   S300   SS1801-015   SLIDE SW     R301   ORDIGIJ-017   CARBON RESISTOR 10K 5% 1/6W   VR301	-									
R249 RRD143J-101S CARBON RESISTOR 100 5% 1/4W S300 SS\$1301-101 SLIDE SWITCH R301 RRD161J-821V CARBON RESISTOR R20 5% 1/6W VR301 RV861J6-V01 V RESISTOR R305 RRD161J-104Y CARBON RESISTOR 100K 5% 1/6W VR300 RRD161J-103Y CARBON RESISTOR 100K 5% 1/6W VR300 RRD161J-103Y CARBON RESISTOR 10K 5% 1/6W VR300 RRD161J-103Y CARBON RESISTOR 47K 5% 1/6W VR300 RRD161J-473V CARBON RESISTOR 47K 5% 1/6W VR300 RRD161J-473V CARBON RESISTOR 47K 5% 1/6W VR300 RRD161J-473V CARBON RESISTOR 105 5% 1/6W VR300 RRD161J-471V CARBON RESISTOR 105 5% 1/6W VR300 RRD161J-471V CARBON RESISTOR 105 5% 1/6W R321 RRD161J-471V CARBON RESISTOR 105 5% 1/6W R322 RRD161J-475V CARBON RESISTOR 105 5% 1/6W R322 RRD161J-373V CARBON RESISTOR 20 5% 1/6W R322 RRD161J-373V CARBON RESISTOR 20 5% 1/6W R322 RRD161J-373V CARBON RESISTOR 20 5% 1/6W R333 RRD161J-103Y CARBON RESISTOR 20 5% 1/6W R334 RRD161J-231V CARBON RESISTOR 20 5% 1/6W R344 RRD161J-533Y CARBON RESISTOR 20 5% 1/6W R401 RRD161J-533Y CARBON RESISTOR 20 5% 1/6W R401 RRD161J-533Y CARBON RESISTOR 20 5% 1/6W R401 RRD161J-533Y CARBON RESISTOR 30 5% 31 6% 1/6W R401 RRD161J-533Y CARBON RESISTOR 30 5% 5% 1/6W R401 RRD161J-533Y CARBON RESISTOR 30 5% 5	Ш									
R301   R0161J-821Y   CARBON RESISTOR 820 5X 1/6W   N302   R0161J-103Y   CARBON RESISTOR 100X 5X 1/6W   N303   R0161J-103Y   CARBON RESISTOR 10X 5X 1/6W   N303   R0161J-103Y   CARBON RESISTOR 10X 5X 1/6W   N303   R0161J-473Y   CARBON RESISTOR 47K 5X 1/6W   N303   R0161J-473Y   CARBON RESISTOR 100 5X 1/6W   N303   R0161J-820   CARBON RESISTOR 100 5X 1/6W   N303   R0161J-820   CARBON RESISTOR 100 5X 1/6W   N303   R0161J-821   CARBON RESISTOR 100 5X 1/6W   R0161J-813   CARBON RESISTOR 100 5X 1/6W   R0161J-821   CARBON RESISTOR 100 5X 1/6W	Н									
R302 RRD161J-104Y CARBON RESISTOR 100 S X 1/6W	П									
R303 RR0161J-103Y CARBON RESISTOR 10K 5% 1/6W PR305 RR0161J-473Y CARBON RESISTOR 47K 5% 1/6W PR306 RR0161J-473Y CARBON RESISTOR 47K 5% 1/6W PR306 RR0161J-673Y CARBON RESISTOR 100 5% 1/6W PR307 RR0163J-10S CARBON RESISTOR 100 5% 1/6W PR310 RR0161J-870Y CARBON RESISTOR 82 5% 1/6W PR310 RR0161J-871Y CARBON RESISTOR 82 5% 1/6W PR312 RR0161J-101Y CARBON RESISTOR 100 5% 1/6W PR312 RR0161J-101Y CARBON RESISTOR 100 5% 1/6W PR313 RR0161J-101Y CARBON RESISTOR 100 5% 1/6W PR313 RR0161J-151Y CARBON RESISTOR 1220 5% 1/6W PR313 RR0161J-151Y CARBON RESISTOR 1220 5% 1/6W PR313 RR0161J-151Y CARBON RESISTOR 15K 5% 1/6W PR313 RR0161J-151Y CARBON RESISTOR 15K 5% 1/6W PR313 RR0161J-151Y CARBON RESISTOR 15K 5% 1/6W PR313 RR0161J-102Y CARBON RESISTOR 10 5% 1/6W PR314 RR0		R301	QRD161J-821Y			\$50	01	QSS7A22-V04	SLIDE SW	
R305   QRD1611-473Y   CARBON RESISTOR 47K 5% 1/6W   QRD1611-673Y   CARBON RESISTOR 47K 5% 1/6W   QRD1611-620   CARBON RESISTOR 100 5% 1/6W   QRD1611-620   CARBON RESISTOR 82 5% 1/6W   QRD1611-671Y   CARBON RESISTOR 100 5% 1/6W   QRD1611-671Y   CARBON RESISTOR 100 5% 1/6W   QRD1611-675Y   CRESISTOR 470 5% 1/6W   QRD1611-675Y   CRESISTOR 470 5% 1/6W   QRD1611-373Y   CARBON RESISTOR 220 5% 1/6W   QRD1611-333Y   CARBON RESISTOR 3.3 5% 1/6W   QRD1611-335Y   CARBON RESISTOR 3.9 K 5% 1/6W   QRD1611-335Y   CARBON RESISTOR 3.9 K 5% 1/6W   QRD1611-35Y   CARBON RESISTOR 3.9 K		R302				VR:				
R306   R01641-473Y   CARBON RESISTOR 477 & \$1 1/6W   VR304   QVR81JG-V01   VR51STOR R8308   R01641-820   CARBON RESISTOR 82 \$5 1/6W   VR331   R01641-471Y   CARBON RESISTOR 740 \$5 1/6W   VR331   R01641-75YY   CARBON RESISTOR 740 \$5 1/6W   VR331   R01641-75YY   CARBON RESISTOR 740 \$5 1/6W   CARBON RESISTO		R303	QRD161J-103Y			VR:	302	QVXB1JG-V01	V RESISTOR	
R307   ADDIASJ-1015   CARBON RESISTOR 100 5X 1/4W   VR306   AVR8134-V02   VRESISTOR   R308   ARD1611-820   CARBON RESISTOR 220 5X 1/6W   VR331   AVR8134-V02   VR515TOR   AVR8134-V02   VR515TOR   R301   ARD1611-101Y   CARBON RESISTOR 70 5X 1/6W   VR331   ARD1611-221Y   CARBON RESISTOR 20 5X 1/6W   VR331   ARD1611-221Y   CARBON RESISTOR 20 5X 1/6W   VR331   ARD1611-383Y   CARBON RESISTOR 20 5X 1/6W   VR331   ARD1611-383Y   CARBON RESISTOR 20 5X 1/6W   VR333   ARD1611-382Y   CARBON RESISTOR 20 5X 1/6W   VR333   ARD1611-392Y   CARBON RESISTOR 20 5X 1/6W   VR333   ARD1611-392Y   CARBON RESISTOR 20 5X 1/6W   VR333   ARD1611-103Y   CARBON RESISTOR 10 5X 1/6W   VR333   ARD1611-103Y   CARBON RESISTOR 10 5X 1/6W   VR333   ARD1611-103Y   CARBON RESISTOR 10 5X 1/6W   VR335   ARD1611-103Y   CARBON RESISTOR 10 5X 1/6W   VR335   ARD1611-103Y   CARBON RESISTOR 20 5X 1/6W   VR335   ARD1611-103Y   CARBON RESISTOR 20 5X 1/6W   VR335   ARD1611-103Y   CARBON RESISTOR 20 5X 1/6W   VR336   ARD1611-103Y   CARBON RESISTOR 20 5X 1/6W   VR336   ARD1611-103Y   CARBON RESISTOR 20 5X 1/6W   VR336   ARD1611-21Y   CARBON RESISTOR 20 5X 1/6W   VR336   ARD1611-303Y   CARBON RESISTOR 30 5X 1/6W   VR337   ARD1611-303Y   CARBON RESISTOR 50 5X 1/6W   VR336   ARD1611-303Y   CARBON RESISTOR 20 5X 1/6W   VR337   CARBON RESISTOR 20 5X 1/6W   VR337   CARBON RESISTOR 20 5X 1/6W   VR338   ARD1611-103Y   CARBON RESISTOR 10 0X 5X 1/6W   VR337   CARBON RESISTOR 20 5X 1/6W   VR337   CARBON RESISTOR 20 5X 1/6W   VR338   CARBON RESISTOR 20 5X 1/6W   V		R305	QRD161J-473Y	CARBON RESISTOR	47K 5% 1/6W	VR:	303	QVXB1JG-V01	V RESISTOR	
R307   R308   RR01611-820   CARBON RESISTOR 30 5X 1/6W   R301   RR01611-820   CARBON RESISTOR 42 70 5X 1/6W   R301   RR01611-471Y   CARBON RESISTOR 470 5X 1/6W   R322   RR01611-471Y   CARBON RESISTOR 470 5X 1/6W   R322   RR01611-221Y   CARBON RESISTOR 20 5X 1/6W   R324   RR01611-383Y   CARBON RESISTOR 220 5X 1/6W   R325   RR01611-383Y   CARBON RESISTOR 220 5X 1/6W   R331   RR01611-383Y   CARBON RESISTOR 220 5X 1/6W   R333   RR01611-392Y   CARBON RESISTOR 280 5X 1/6W   R335   RR01611-392Y   CARBON RESISTOR 280 5X 1/6W   R335   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R336   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R337   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R338   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R339   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R339   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R331   RR01611-103Y   CARBON RESISTOR 30 5X 1/6W   R341   RR01611-733Y   CARBON RESISTOR 500 5X 1/6W   R402   RR01611-733Y   CARBON RESISTOR 500 5X 1/6W   R403   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R404   RR01611-103Y   CARBON RESISTOR 280 5X 1/6W   R405   RR01611-103Y   CARBON RESISTOR 100 5X 1/6W   R406   RR01611-103Y   CARBON RESISTOR 100 5X 1/6W   R407   R408   R401611-103Y   CARBON RESISTOR 100 5X 1/6W   R408   R401611-103Y   CARBON RESISTOR 100 5X 1/6W   R409   R401611-103Y   CARBON RESISTOR 100 5X 1/6W   R401		R306	QRD161J-473Y	CARBON RESISTOR	47K 5% 1/6W	VR:	304	QVXB1JG-V01	V RESISTOR	
R308	ı		QRD143J-101S	CARBON RESISTOR	100 5% 1/4W	VR:	306	QVXB1JA-VO2	V.RESISTOR	
R310								QVPA605-203	V RESISTOR	
R321	-					1				
R322 ORD1611-675YT C RESISTOR 4.7M 5% 1/6W C R323 ORD1611-221Y CARBON RESISTOR 20.5% 1/6W C R324 ORD1611-183Y CARBON RESISTOR 3.3.5% 1/6W C R331 ORD1611-183Y CARBON RESISTOR 3.3.5% 1/6W C R331 ORD1611-392Y CARBON RESISTOR 3.9% 5% 1/6W C R331 ORD1611-392Y CARBON RESISTOR 3.9% 5% 1/6W C R334 ORD1611-102Y CARBON RESISTOR 1.0% 5% 1/6W C R334 ORD1611-102Y CARBON RESISTOR 1.0% 5% 1/6W C R336 ORD1611-332Y CARBON RESISTOR 1.0% 5% 1/6W C R336 ORD1611-332Y CARBON RESISTOR 1.0% 5% 1/6W C R336 ORD1611-332Y CARBON RESISTOR 1.0% 5% 1/6W C R338 ORD1611-102Y CARBON RESISTOR 3.0% 5% 1/6W C R338 ORD1611-102Y CARBON RESISTOR 3.0% 5% 1/6W C R338 ORD1611-671Y CARBON RESISTOR 3.0% 1/6W C R338 ORD1611-671Y CARBON RESISTOR 3.0% 1/6W C R340 ORD1611-561Y CARBON RESISTOR 3.0% 1/6W C R340 ORD1611-561Y CARBON RESISTOR 3.0% 1/6W C R340 ORD1611-561Y CARBON RESISTOR 3.0% 5% 1/6W C R401 ORD1611-221Y CARBON RESISTOR 3.0% 5% 1/6W C R402 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R403 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R403 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R404 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R405 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R406 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R406 ORD1611-103Y CARBON RESISTOR 3.0% 5% 1/6W C R407 ORD1611-033Y CARBON RESISTOR 3.0% 5% 1/6W C R407 ORD1611-033Y CARBON RESISTOR 3.0% 5% 1/6W C R407 ORD1611-033Y CARBON RESISTOR 1.0% 5% 1/6W C R407 ORD1611-033Y CARBON RESISTOR 1.0% 5% 1/6W C R409 ORD1611-033Y CARBON RESISTOR 3.0% 5% 1/6W C R409 ORD						1 1				
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R324						11				
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R331						1-1				
R332 ORD161J-392Y CARBON RESISTOR 3.9K 5% 1/6W R334 ORD163J-102Y CARBON RESISTOR 10 5 5% 1/6W R335 GRD163J-103Y CARBON RESISTOR 10 5 5% 1/6W R336 ORD161J-323Y CARBON RESISTOR 10 5% 5% 1/6W R337 ORD161J-332Y CARBON RESISTOR 22K 5% 1/6W R338 ORD161J-332Y CARBON RESISTOR 3.3K 5% 1/6W R339 ORD161J-102Y CARBON RESISTOR 3. 3K 5% 1/6W R340 ORD161J-61Y CARBON RESISTOR 1.0K 5% 1/6W R341 ORD161J-671Y CARBON RESISTOR 47K 5% 1/6W R401 ORD161J-221Y CARBON RESISTOR 47K 5% 1/6W R401 ORD161J-221Y CARBON RESISTOR 500 5% 1/6W R402 ORD161J-21Y CARBON RESISTOR 500 5% 1/6W R403 ORD161J-103Y CARBON RESISTOR 10K 5% 1/6W R404 ORD161J-103Y CARBON RESISTOR 10K 5% 1/6W R405 ORD161J-104Y CARBON RESISTOR 10K 5% 1/6W R406 ORD161J-104Y CARBON RESISTOR 10K 5% 1/6W R407 ORD161J-333Y CARBON RESISTOR 33K 5% 1/6W R408 ORD161J-333Y CARBON RESISTOR 33K 5% 1/6W R409 ORD161J-333Y CARBON RESISTOR 33K 5% 1/6W R409 ORD161J-333Y CARBON RESISTOR 1.0K 5% 1/6W R401 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R402 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R403 ORD161J-333Y CARBON RESISTOR 33K 5% 1/6W R404 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R405 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R407 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R408 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R410 ORD161J-333Y CARBON RESISTOR 20 5% 1/6W R411 ORD161J-333Y CARBON RESISTOR 33K 5% 1/6W R422 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R422 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R421 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R422 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R421 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R422 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R423 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R421 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R422 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R423 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R423 ORD161J-333Y CARBON RESISTOR 33 5% 1/6W R423 ORD161J-333Y CARBON RESISTOR 37 5% 1/6W										
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R334						11				
R335						11				
R336 QRD161J-223Y CARBON RESISTOR 22K 5X 1/6W R337 QRD161J-332Y CARBON RESISTOR 3.3K 5X 1/6W R339 QRD161J-471Y CARBON RESISTOR 1.0K 5X 1/6W R340 QRD161J-471Y CARBON RESISTOR 47O 5X 1/6W R341 QRD161J-473Y CARBON RESISTOR 47O 5X 1/6W R341 QRD161J-473Y CARBON RESISTOR 47K 5X 1/6W R401 QRD161J-221Y CARBON RESISTOR 47K 5X 1/6W R402 QRD161J-561Y CARBON RESISTOR 560 5X 1/6W R402 QRD161J-103Y CARBON RESISTOR 505 X 1/6W R403 QRD161J-103Y CARBON RESISTOR 100K 5X 1/6W R403 QRD161J-103Y CARBON RESISTOR 100K 5X 1/6W R405 QRD143J-224S CARBON RESISTOR 100K 5X 1/6W R406 QRD161J-102Y CARBON RESISTOR 20K 5X 1/6W R406 QRD161J-333Y CARBON RESISTOR 33K 5X 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5X 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5X 1/6W R408 QRD161J-32Y CARBON RESISTOR 33K 5X 1/6W R408 QRD161J-32Y CARBON RESISTOR 20K 5X 1/6W R410 QRD161J-32Y CARBON RESISTOR 20K 5X 1/6W R420 QRD161J-33Y CARBON RESISTOR 20K 5X 1/6W R420 QRD161J-33Y CARBON RESISTOR 20K 5X 1/6W R420 QRD161J-33Y CARBON RESISTOR 20K 5X 1/6W R420 QRD161J-337Y CARBON RESISTOR 20K 5X 1/6W R420 QRD161J-373Y CARBON RESISTOR 3 X 5X 1/6W R420 QRD161J-103Y CARBON RESISTOR 3 X 5X 1/6W R420 QRD161J-373Y CARBON RESISTOR 3 X 5X 1/6W R430 QRD161J-373Y CARBON RESISTOR 47K 5X 1/6W R430 QRD161J-103Y CARBON RESISTOR 47K 5X 1/6W R430 QRD161J-473Y CARBON RESISTOR 3 X 5X 1/6W R430 QRD161J-473Y CARBON RESISTOR 47K 5X 1/6W R430 QRD161J-473Y CARBON										
R337 QRD161J-332Y CARBON RESISTOR 3.3 X 5 X 1/6W R338 QRD161J-471Y CARBON RESISTOR 1.0 K 5 X 1/6W R340 QRD161J-561Y CARBON RESISTOR 470 5 X 1/6W R341 QRD161J-473Y CARBON RESISTOR 470 5 X 1/6W R341 QRD161J-473Y CARBON RESISTOR 760 5 X 1/6W R401 QRD161J-561Y CARBON RESISTOR 770 5 X 1/6W R401 QRD161J-561Y CARBON RESISTOR 200 5 X 1/6W R402 QRD161J-561Y CARBON RESISTOR 200 5 X 1/6W R403 QRD161J-103Y CARBON RESISTOR 10K 5 X 1/6W R403 QRD161J-103Y CARBON RESISTOR 10K 5 X 1/6W R404 QRD161J-104Y CARBON RESISTOR 10K 5 X 1/6W R405 QRD161J-104Y CARBON RESISTOR 20K 5 X 1/6W R406 QRD161J-102Y CARBON RESISTOR 20K 5 X 1/6W R406 QRD161J-333Y CARBON RESISTOR 33K 5 X 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5 X 1/6W R408 QRD161J-333Y CARBON RESISTOR 3 3 X 5 X 1/6W R409 QRD161J-102Y CARBON RESISTOR 20 X 1/6W R410 QRD161J-102Y CARBON RESISTOR 20 X 1/6W R411 QRD161J-222Y CARBON RESISTOR 2.2K 5 X 1/6W R411 QRD161J-222Y CARBON RESISTOR 2.2K 5 X 1/6W R411 QRD161J-221S CARBON RESISTOR 2.2K 5 X 1/6W R420 QRD161J-103Y CARBON RESISTOR 1.0K 5 X 1/6W R421 QRD161J-103Y CARBON RESISTOR 3 5 X 1/6W R422 QRD161J-103Y CARBON RESISTOR 3 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R423 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-103Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-373Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-373Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-373Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-373Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-373Y CARBON RESISTOR 4 K 5 X 1/6W R433 QRD161J-473Y CARBON RESIST						11				
R338						11				
R339 QRD161J-671Y CARBON RESISTOR 470 5X 1/6W R340 QRD161J-561Y CARBON RESISTOR 560 5X 1/6W R341 QRD161J-473Y CARBON RESISTOR 77 5X 1/6W R401 QRD161J-21Y CARBON RESISTOR 220 5X 1/6W R402 QRD161J-103Y CARBON RESISTOR 10K 5X 1/6W R403 QRD161J-103Y CARBON RESISTOR 10K 5X 1/6W R404 QRD161J-104Y CARBON RESISTOR 10K 5X 1/6W R405 QRD161J-102Y CARBON RESISTOR 10K 5X 1/6W R406 QRD161J-102Y CARBON RESISTOR 10K 5X 1/6W R407 QRD161J-333Y CARBON RESISTOR 3X 5X 1/6W R408 QRD161J-333Y CARBON RESISTOR 10K 5X 1/6W R409 QRD161J-102Y CARBON RESISTOR 10K 5X 1/6W R409 QRD161J-102Y CARBON RESISTOR 10K 5X 1/6W R410 QRD161J-102Y CARBON RESISTOR 10K 5X 1/6W R410 QRD161J-102Y CARBON RESISTOR 10K 5X 1/6W R411 QRD161J-222Y CARBON RESISTOR 10K 5X 1/6W R421 QRD161J-103Y CARBON RESISTOR 10X 5X 1/6W R422 QRD161J-103Y CARBON RESISTOR 10X 5X 1/6W R423 QRD161J-103Y CARBON RESISTOR 10X 5X 1/6W R424 QRD161J-103Y CARBON RESISTOR 10X 5X 1/6W R425 QRD161J-103Y CARBON RESISTOR 10X 5X 1/6W R430 QRD161J-103Y CARBON RESISTOR 3X 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 4X 5X 1/6W R432 QRD161J-103Y CARBON RESISTOR 4X 5X 1/6W R433 QRD161J-103Y CARBON RESISTOR 4X 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 4X 5X 1/6W R432 QRD161J-473Y CARBON RESISTOR 4X 5X 1/6W R433 QRD161J-473Y CARBON RESISTOR 4X 5X 1/6W R433 QRD161J-473Y CARBON RESISTOR 4X 5X 1/6W						11				
R340						11				
R341 QRD161J-221Y CARBON RESISTOR 47K 5% 1/6W R402 QRD161J-261Y CARBON RESISTOR 220 5% 1/6W R403 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R405 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R405 QRD161J-102Y CARBON RESISTOR 10K 5% 1/6W R406 QRD161J-102Y CARBON RESISTOR 10K 5% 1/6W R406 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R407 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R408 QRD161J-102Y CARBON RESISTOR 1.0K 5% 1/6W R410 QRD161J-102Y CARBON RESISTOR 1.0K 5% 1/6W R410 QRD161J-102Y CARBON RESISTOR 1.0K 5% 1/6W R410 QRD161J-103Y CARBON RESISTOR 2.2K 5% 1/6W R420 QRD161J-103Y CARBON RESISTOR 2.2C 5% 1/6W R421 QRD161J-103Y CARBON RESISTOR 3.3 5% 1/6W R421 QRD161J-103Y CARBON RESISTOR 3.3 5% 1/6W R422 QRD161J-1673Y CARBON RESISTOR 3.3 5% 1/6W R422 QRD161J-1673Y CARBON RESISTOR 4/K 5% 1/6W R433 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 3.3 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 4/K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 4/K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 4/K 5% 1/6W R431 QRD161J-473Y CARBON RESISTOR 4/K 5% 1/6W R432 QRD161J-47	١.					1				
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R403 QRD161J-103Y CARBON RESISTOR 10K 5X 1/6W R405 QRD161J-104Y CARBON RESISTOR 10K 5X 1/6W R406 QRD161J-102Y CARBON RESISTOR 22K 5X 1/6W R407 QRD161J-333Y CARBON RESISTOR 1.0K 5X 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5X 1/6W R409 QRD161J-102Y CARBON RESISTOR 33K 5X 1/6W R410 QRD161J-222Y CARBON RESISTOR 1.0K 5X 1/6W R411 QRD163J-221S CARBON RESISTOR 2.2K 5X 1/6W R412 QRD161J-333Y CARBON RESISTOR 2.2X 5X 1/6W R421 QRD161J-333Y CARBON RESISTOR 1.0K 5X 1/6W R422 QRD161J-103Y CARBON RESISTOR 10K 5X 1/6W R422 QRD161J-373Y CARBON RESISTOR 3.3 5X 1/6W R423 QRD161J-373Y CARBON RESISTOR 3.3 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 4/K 5X 1/6W R432 QRD161J-373Y CARBON RESISTOR 10K 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 3.3 5X 1/6W R432 QRD161J-373Y CARBON RESISTOR 4/K 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 4/K 5X 1/6W R432 QRD161J-473Y CARBON RESISTOR 4/K 5X 1/6W	i					1				
R404 QRD161J-104Y CARBON RESISTOR 100K 5% 1/6W R405 QRD161J-102Y CARBON RESISTOR 220K 5% 1/4W R406 QRD161J-102Y CARBON RESISTOR 1.0K 5% 1/6W R407 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R409 QRD161J-102Y CARBON RESISTOR 1.0K 5% 1/6W R410 QRD161J-222Y CARBON RESISTOR 2.2X 5% 1/6W R411 QRD161J-222Y CARBON RESISTOR 2.2X 5% 1/6W R420 QRD161J-103Y CARBON RESISTOR 20 5% 1/6W R420 QRD161J-333Y CARBON RESISTOR 20 5% 1/6W R421 QRD161J-373Y CARBON RESISTOR 3.3 5% 1/6W R421 QRD161J-373Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 3.3 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 3.3 5% 1/6W R431 QRD161J-373Y CARBON RESISTOR 3.3 5% 1/6W R431 QRD161J-373Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R432 QRD161J-473Y						11				
R405 QRD163J-224S CARBON RESISTOR 220K SX 1/4W R406 QRD161J-102Y CARBON RESISTOR 1.0K SX 1/6W R407 QRD161J-333Y CARBON RESISTOR 33K 5X 1/6W R408 QRD161J-333Y CARBON RESISTOR 33K 5X 1/6W R408 QRD161J-102Y CARBON RESISTOR 1.0K 5X 1/6W R410 QRD161J-102Y CARBON RESISTOR 1.0K 5X 1/6W R410 QRD161J-222Y CARBON RESISTOR 2.2K 5X 1/6W R411 QRD163J-221S CARBON RESISTOR 2.2C 5X 1/6W R420 QRD161J-103Y CARBON RESISTOR 10K 5X 1/6W R421 QRD161J-3783Y CARBON RESISTOR 3.3 5X 1/6W R421 QRD161J-3783Y CARBON RESISTOR 4/K 5X 1/6W R430 QRD161J-103Y CARBON RESISTOR 4/K 5X 1/6W R430 QRD161J-373Y CARBON RESISTOR 3.3 5X 1/6W R430 QRD161J-373Y CARBON RESISTOR 10K 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 3.3 5X 1/6W R432 QRD161J-473Y CARBON RESISTOR 3.3 5X 1/6W R431 QRD161J-373Y CARBON RESISTOR 4/K 5X 1/6W R432 QRD161J-473Y CARBON RESISTOR 3.3 5X 1/6W R432 QRD161J-473Y CARBON RESISTOR 4/K 5X 1/6W R432 QRD161J-474 CARBON RESISTOR 4/K 5X 1/6W R432 QRD161J-47	١.									
R406						11		i		
R407 QRD161J-333Y CARBON RESISTOR 33K 5% 1/6W R408 QRD161J-1333Y CARBON RESISTOR 33K 5% 1/6W R409 QRD161J-102Y CARBON RESISTOR 1.0K 5% 1/6W R410 QRD161J-222Y CARBON RESISTOR 2.2 5% 1/6W R411 QRD161J-222Y CARBON RESISTOR 2.2 5% 1/6W R421 QRD161J-103Y CARBON RESISTOR 220 5% 1/6W R421 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R421 QRD161J-3783Y CARBON RESISTOR 3.3 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R430 QRD161J-3783Y CARBON RESISTOR 3.3 5% 1/6W R431 QRD161J-3783Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R432 QRD161J-473Y CARBON R452 QRD161J-4	П					[ ]				
R408	١.					[ ]				
R409 QRD161J-102Y CARBON RESISTOR 1.0X 5% 1/6W QRD161J-222Y CARBON RESISTOR 2.2X 5% 1/6W QRD161J-222Y CARBON RESISTOR 2.2X 5% 1/6W QRD161J-103Y CARBON RESISTOR 220 5% 1/6W QRD161J-103Y CARBON RESISTOR 10X 5% 1/6W QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W QRD161J-103Y CARBON RESISTOR 47K 5% 1/6W QRD161J-103Y CARBON RESISTOR 10X 5% 1/6W QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W QRD161J-473Y CARBON RESISTOR 3.3 5% 1/6W QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W QRD161J-47X 1/6W QRD161J-47	ı	R407	QRD161J-333Y			11				
R410 QRD161J-222Y CARBON RESISTOR 2.2X 5% 1/6W R411 QRD161J-221S CARBON RESISTOR 2.0 5% 1/4W R420 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R421 QRD161J-373Y CARBON RESISTOR 3.3 5% 1/6W R422 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-373Y CARBON RESISTOR 3.3 5% 1/6W R431 QRD161J-373Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W		R408	QRD161J-333Y			1				
R411 QRD143J-221S CARBON RESISTOR 220 5% 1/4W R420 QRD161J-103Y CARBON RESISTOR 10% 5% 1/6W R421 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R422 QRD161J-473Y CARBON RESISTOR 47% 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 10% 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47% 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47% 5% 1/6W		R409	QRD161J-102Y	CARBON RESISTOR	1.0K 5% 1/6W					
R420 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R421 QRD161J-473Y CARBON RESISTOR 3.3 5% 1/6W R430 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W		R410	QRD161J-222Y	CARBON RESISTOR	2.2K 5% 1/6W				1	
R421 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R422 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W	1	R411	QRD143J-221S	CARBON RESISTOR	220 5% 1/4W	11				
R422 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W			QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W	11			1	
R422 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W R430 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W		R421	QRD161J-3R3Y	CARBON RESISTOR	3.3 5% 1/6W					
R430 QRD161J-103Y CARBON RESISTOR 10K 5% 1/6W R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W				CARBON RESISTOR	47K 5% 1/6W	11				
R431 QRD161J-3R3Y CARBON RESISTOR 3.3 5% 1/6W R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W						11			1	
R432 QRD161J-473Y CARBON RESISTOR 47K 5% 1/6W	ļ					1			1	
	ı					1			1	
	A					11			1	
	-								· · · · · · · · · · · · · · · · · · ·	

### Comparison Table between RC-W410E and RC-W410B

#### ■ Power Supply Board Section

	D.C.N.		Parts Name		
<b>A</b>	Ref. No.	RC-W410E	RC-W410B	Parts Name	
7	T901	VTP54P2-12I	VTP54P2-12IBS	Power Trans	
	D905	DSA3A1		Si Diode	
	D905	IN5401M	_	Diode	
	F903	QMF51E2-2ROJ1	QMF51E2-2ROJ1BS	Fuse	
	_	_	QMF51XX-2R5BS	Fuse	
	J901	QMC0362-002	_	AC Socket	
	_	_	QMC0362-002BS	AC Socket	
	J902	QMA1221-004	_	DC Jack	

(No. 1768) 21

#### ■ Tuner Board Parts List

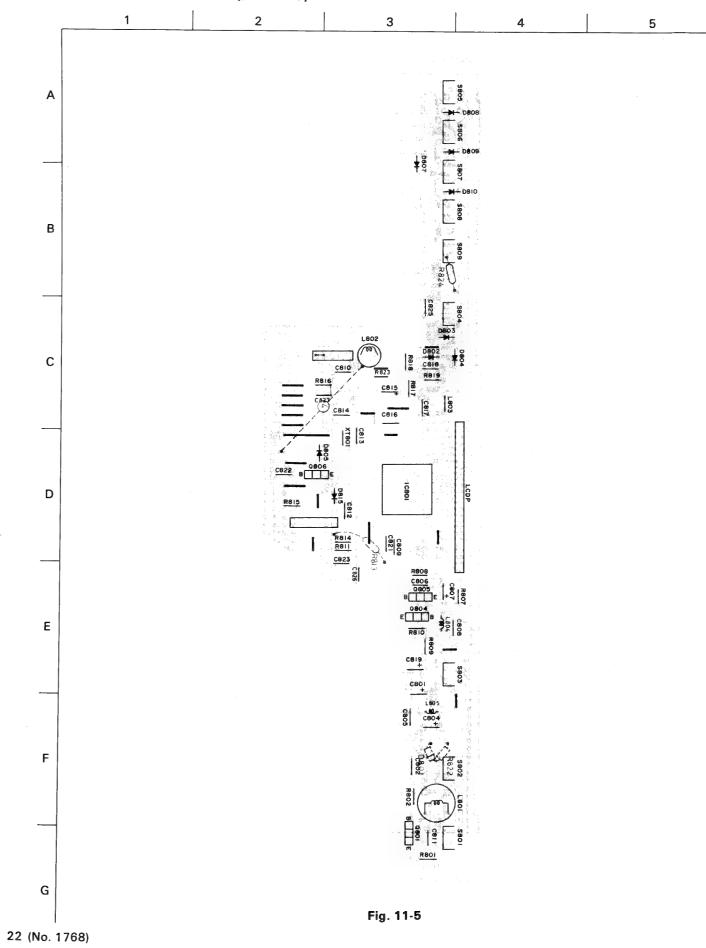
Δ	REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
	* CF01	FFK23A	C FILTER KIT	
1	CN01 CN02	VMC0107-005 VMC0107-006	CONNECTOR	
ŀ	C001	QCSB1HJ-510Y	C CAPACITOR	51PF 5% 50V
1	0002	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V
1	C003	QCSB1HJ-220Y	C.CAPACITOR	22PF 5% 50V
1	C004	QCC11EM-473V	C.CAPACITOR	.047MF 20% 25V
l	C005	QCB81HK-102Y	C CAPACITOR	1000PF 10% 50V
ı	6000	QETC1HM-105ZN	E_CAPACITOR	1.0MF 20% 50V
4	C008	QCSB1HK-5R6Y	C CAPACITOR	5.6PF 10% 50V
١	C009	QCT30CH-2R2Y QCT30CH-8R2Y	C.CAPACITOR C.CAPACITOR	2.2PF 5% 50V
١	C011	QCT30CH-8R27	C CAPACITOR	8.2PF 5% 50V 12PF 5% 50V
ı	C012	QCT3OCH-3R9Y	C CAPACITOR	3.9PF 5% 50V
	C013	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
Ī	C014	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V
1	CO15	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V
ı	C016	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V
ı	C017	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
ŀ	C018	GETC1AM-107ZN	E.CAPACITOR	100MF 20% 10V
ı	C019	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V
Į	C020	QCSB1HJ-220Y QCC31EM-104ZV	C.CAPACITOR C CAPACITOR	22PF 5% 50V
l	C022	QCS31HJ-271Z	C.CAPACITOR	.10MF 20% 25V 270PF 5% 50V
l	0023	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V
1	C025	QCBB1HK-102Y	C CAPACITOR	1000PF 10% 50V
ĺ	026	QCF31HP-103Z	C.CAPACITOR	.010MF +100:-0% 50V
ĺ	C027	QCF31HP-223Z	C.CAPACITOR	.022MF +100:-0% 50V
1	0028	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V
1.	C029	QCC31EM-473ZV	C CAPACITOR	.047MF 20% 25V
	0030	GETC1CM-226ZN	E.CAPACITOR	22MF 20% 16V
	0032	QFS41HJ-102	P.S.CAPACITOR	1000PF 5% 50V
	CO33 CO34	QETC1HM-105ZN QETC1HM-335ZN	E.CAPACITOR	1.0MF 20% 50V 3.3MF 20% 50V
1	C035	QETC1HM-335ZN	E.CAPACITOR E.CAPACITOR	3.3MF 20% 50V
ŀ	C037	QCBB1HK-331Y	C.CAPACITOR	330PF 10% 50V
1	C038	QCXB1CM-222Y	C CAPACITOR	2200PF 20% 16V
	C039	QCXB1CM-562Y	C CAPACITOR	5600PF 20% 16V
ŀ	C040	QCF31HP-103Z	C.CAPACITOR	.010MF +100:-0% 50V
l.	C041	QETC1CM-106ZN	E.CAPACITOR	10MF 20% 16V
l	C042	GETC1HM-224ZN	E.CAPACITOR	.22MF 20% 50V
l		QCC31EM-103ZV	C CAPACITOR	.010MF 20% 25V
l		QCC31EM-103ZV	C CAPACITOR	.010MF 20% 25V
	CO45	QETC1HM-104ZN QETC1HM-104ZN	E.CAPACITOR	.10MF 20% 50V
ŀ	C049	QCXB1CM-222Y	E.CAPACITOR C CAPACITOR	2200PF 20% 16V
		QCXB1CM-222Y	C CAPACITOR	2200PF 20% 16V
		QCSB1HJ-470Y	C CAPACITOR	47PF 5% 50V
1		QCSB1HK-6R8Y	C CAPACITOR	6.8PF 10% 50V
L	C054	QCBB1HK-181Y	C.CAPACITOR	180PF 10% 50V
ĺ		QCS31HJ-471Z	C.CAPACITOR	470PF 5% 50V
1		QCT30CH-8R2Y	C.CAPACITOR	8.2PF 5% 50V
1		GETC1AM-107ZN	E-CAPACITOR	100MF 20% 10V
1		QCBB1HK-151Y QCS11HJ-8R0	C CAPACITOR C.CAPACITOR	150PF 10% 50V 8.0PF 5% 50V
ŀ		SVC211(C,D)SP	VARI.CAP	0.0FF 34 3UV
ĺ		SVC211(C,D)SP	VARI.CAP	1
		SVC321SP-D2	V.DIODE	İ
		SVC321SP-D2	V.DIODE	
L		HSS104TJ	SI DIODE	
		SVC321SP-D2	V-DIODE	
		SVC321SP-D2	A-DIODE	
		AN7205	IC	
		LA1810-K	I C	
		VQC1507-001 VQF1B13-001	INDUCTOR RF COIL	
		VQB010B-502	BAR ANTENA	
		VQL7U02-501	OSC COIL(LW)	
		V9B010B-502	BAR ANTENA	
	L006	VQM7U02-401	OSC COIL(MW)	
		VQP0012-8R2	INDUCTOR	
	L008	V03047-17	COIL	
		2SC1923(0)E2	TRANSISTOR	
		2SC1923(0)E2 2SC1923(0)E2	TRANSISTOR	
• •		2SA1175(HFE)-T	TRANSISTOR TRANSISTOR	
			TRANSISTOR	
			TRANSISTOR	
			TRANSISTOR	
		2SC945(P,Q)-T	TRANSISTOR	
		2SC945(P,Q)-T	TRANSISTOR	
			TRANSISTOR	
			TRANSISTOR	
			TRANSISTOR	
_			TRANSISTOR TRANSISTOR	
			CARBON RESISTOR	220 5% 1/40
			CARBON RESISTOR	
			CARBON RESISTOR	
			CARBON RESISTOR	
-			CARBON RESISTOR	
			CARBON RESISTOR	
			CARBON RESISTOR	
		RD161J-104Y	CARBON RESISTOR	100K 5% 1/6W
			CARBON RESISTOE	
	R009 (			
	R009 (	RD161J-223Y	CARBON RESISTOR	
Acus	R009 ( R010 ( R013 (	RD161J-223Y RD161J-470Y	CARBON RESISTOR	47 5% 1/6W
	R009 R010 R013 R014	0RD161J-223Y 0RD161J-470Y 0RD161J-331Y		47 5% 1/6W 330 5% 1/6W

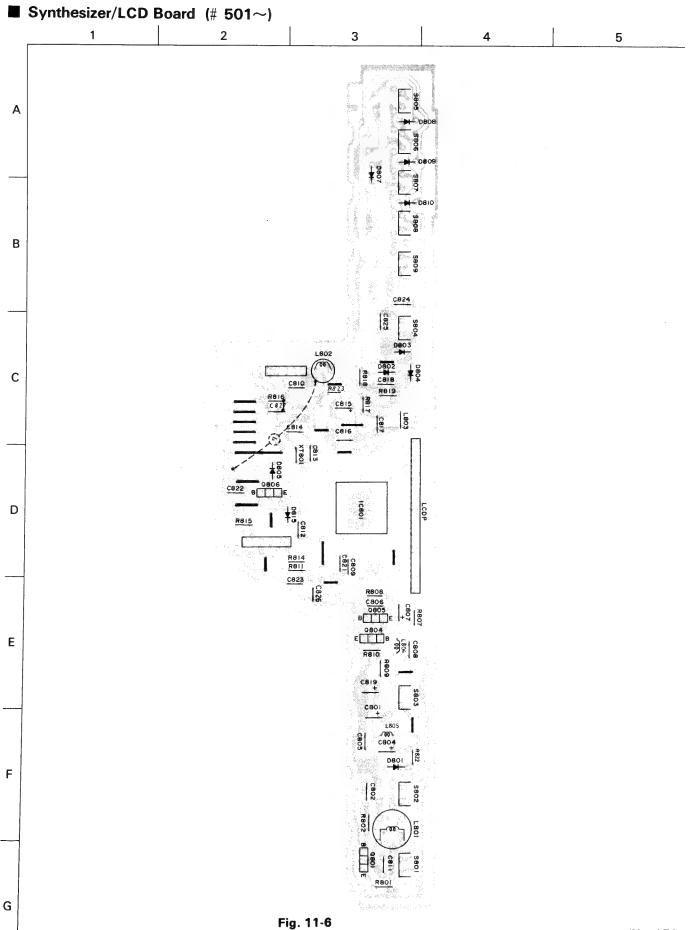
A REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
R017	QRD161J-221Y	CARBON RESISTOR	220 5% 1/6W
R018	QRD161J-223Y	CARBON RESISTOR	
R019	QRD161J-104Y	CARBON RESISTOR	
R020	QRD161J-474Y	CARBON RESISTOR	
R021	QRD161J-472Y	CARBON RESISTOR	
R023	QRD161J-223Y	CARBON RESISTOR	
R024	QRD161J-223Y	CARBON RESISTOR	
R025	QRD161J-223Y	CARBON RESISTOR	
R026	QRD161J-222Y	CARBON RESISTOR	
R027	QRD161J-154Y	CARBON RESISTOR	
R028	QRD161J-152Y	CARBON RESISTOR	
8029	QRD161J-223Y	CARBON RESISTOR	
R030	QRD161J-152Y	CARBON RESISTOR	
R033	QRD161J-222Y	CARBON RESISTOR	
R034	QRD161J-222Y	CARBON RESISTOR	
R035	QRD161J-4R7Y	C RESISTOR	4.7 5% 1/6W
R036	QRD161J-473Y	CARBON RESISTOR	
R037	QRD161J-473Y	CARBON RESISTOR	
R042	QRD161J-223Y	CARBON RESISTOR	
R043	QRD161J-104Y	CARBON RESISTOR	
R044	QRD161J-223Y	CARBON RESISTOR	
R046	QRD161J-103Y	CARBON RESISTOR	
R047	QRD161J-223Y	CARBON RESISTOR	
R048	QRD161J-103Y		10K 5% 1/6W
R049	QRD161J-223Y	CARBON RESISTOR	
R052	QRD161J-4R7Y	C RESISTOR	4.7 5% 1/6W
R053	QRD161J-102Y	CARBON RESISTOR	
TCO2	GAT3620-100M	T CAPACITOR	
TC03	QAT3620-100M	T CAPACITOR	
TC05	QAT3620-100M	T CAPACITOR	
T001	VQT7F12-109	IFT	
T002	VQT7A21-103	IFT	
VR01	QVZ3512-103	V.RESISTOR	
ļ		-	
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# \*\* Notice Contents of CF01 CF01: VCF2L3B-104 CF02: VCF2L3B-104 CF03: VCF1Z2Z-101

## (The Parts List Can be found on page 24.)

## ■ Synthesizer/LCD Board (# 1~500)



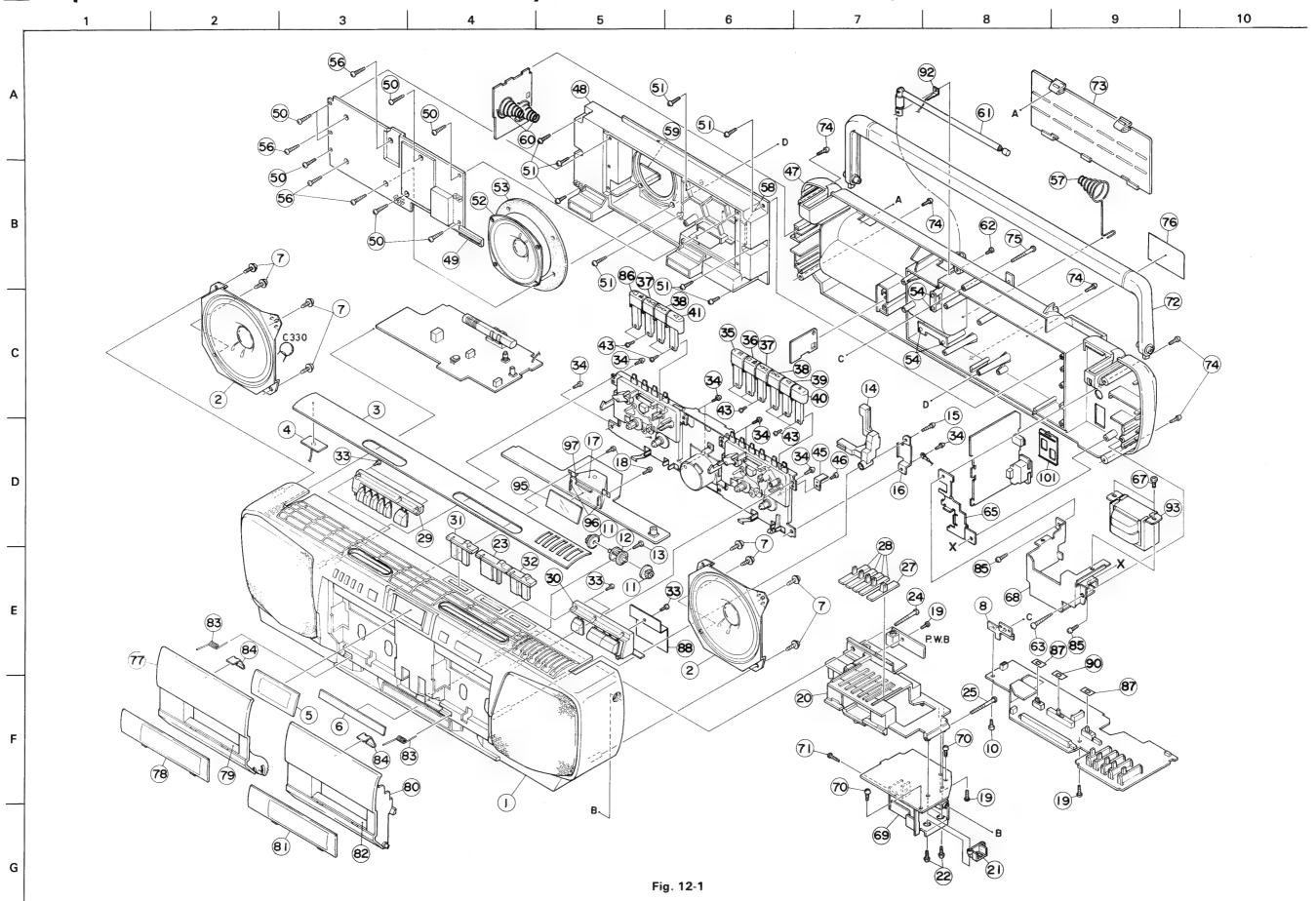


#### ■ Synthesizer/LCD Board Parts List

	REF. NO	DARGE NO	DADER MANE	22222222
Δ	REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
	C801	QETC1AM-227ZN	E CAPACITOR	220MF 20% 10V
	C802	QCC31EM-223ZV	C CAPACITOR	.022MF 20% 25V
Н	C804	QETC1HM-335ZN	E.CAPACITOR	3.3MF 20% 50V
П	C805	QCVB1CM-103Y	C CAPACITOR	-010MF 20% 16V
П	C806	QCXB1CM-472Y	C CAPACITOR	4700PF 20% 16V
-	C807	QETC1HM-335ZN	E.CAPACITOR	3.3MF 20% 50V
Н	0808	QCT3OCH-2R2Y	C.CAPACITOR	2.2PF 5% 50V
П	C809	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V
Н	C810	QCBB1HK-331Y	C.CAPACITOR	330PF 10% 50V
H	C811	QFV71HJ-334ZM	TF.CAPACITOR	.33MF 5% 50V
	C812	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
	C813	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V
	C814	QCSB1HJ-220Y	C.CAPACITOR	22PF 5% 50V
	C815	QETC1AM-107ZN	E.CAPACITOR	100MF 20% 10V
	C816	QFV71HJ-334ZM	TF.CAPACITOR	.33MF 5% 50V
	C817	VCE0004-002		-33MF 34 3UV
-	C818		SUPER CAP.	0/785 308 359
- 1	C818	QCC31EM-473ZV QETC1HM-335ZN	C CAPACITOR	.047MF 20% 25V
- 1				3.3MF 20% 50V
- 1	C821	QCXB1CM-472Y	C CAPACITOR	4700PF 20% 16V
~-	C822	QCC31EM-223ZV	C CAPACITOR	.022MF 20% 25V
- 1	C823	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
-1	C824	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
-1	C825	QCT30CH-2R2Y	C.CAPACITOR	2.2PF 5% 50V
	C826	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
	C827	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V
- 1	D801	MA700-TA	ZENER DIODE	
- 1	2080	HSS104TJ	SI DIODE	
-[	D803	MA4043(M) TA	Z DIODE	
-	D804	HSS104TJ	SI DIODE	
-	D805	HSS104TJ	SI DIODE	
- 1	D807	HSS104TJ	SI DIODE	
-	D808	HSS104TJ	SI DIODE	
- 1	0809	HSS104TJ	SI DIODE	
-1	0810	HSS104TJ	SI DIODE	
J.	D815	HSS104TJ	SI DIODE	
- [	10801	UPD1708AG-810	1 C	
1	LCDP	VGL1050-002	LCDP	
1	L801	VQH1008-027	OSC COIL(BIAS)	
H	L802	VQP0012-471	INDUCTOR	
4	L803	TAC000493-01	INDUCTOR	
1	L804	VQP0012-471	INDUCTOR	
	L805	VQP0012-471	INDUCTOR	
-	Q801	2SC945(P,Q)-T	TRANSISTOR	
-	Q804	2SC945(P,Q)-T	TRANSISTOR	
	Q805	2SC945(P,Q)-T	TRANSISTOR	
ſ	9806	2\$A1175(HFE)-T	TRANSISTOR	
1	R801	QRD161J-330Y	CARBON RESISTOR	
-	R802	QRD161J-223Y	CARBON RESISTOR	22K 5% 1/6W
ı	R807	QRD161J-102Y	CARBON RESISTOR	
1	R808	QRD161J-152Y	CARBON RESISTOR	1.5K 5% 1/6W

		<u> </u>		
Δ	REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
П	R809	QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W
П		QRD161J-102Y	CARBON RESISTOR	
П	R811	QRD161J-473Y	CARBON RESISTOR	
П	R813	QRD161J-473Y	CARBON RESISTOR	
Ш	R814	QRD161J-473Y	CARBON RESISTOR	
1	R815	QRD161J-472Y	CARBON RESISTOR	4.7K 5% 1/6W
П	R816	QRD161J-473Y	CARBON RESISTOR	47K 5% 1/6W
П	R817	QRD161J-331Y	CARBON RESISTOR	330 5% 1/6W
Н	R818	QRD161J-104Y	CARBON RESISTOR	100K 5% 1/6W
Н	R819	QRD161J~474Y	CARBON RESISTOR	470K 5% 1/6W
	R822	QRD161J-102Y	CARBON RESISTOR	1.0K 5% 1/6W
11		QRD161J-222Y	CARBON RESISTOR	2.2K 5% 1/6W
1 1	S801	QSP0301~003M	TACT SWITCH	
1	\$802	QSP0301-003M	TACT SWITCH	
Ш		QSP0301-003M	TACT SWITCH	
1 ]		QSP0301-003M	TACT SWITCH	
Н			TACT SWITCH	
П			TACT SWITCH	
П			TACT SWITCH	
			TACT SWITCH	
П			TACT SWITCH	
Н	XT801	VCX4001-003	CRYSTAL	
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# 12 Exploded View of Enclosure Assembly (The Parts List Can be found on page 26.)



#### ■ Enclosure Assembly Parts List

A REF.	PARTS NO.	PARTS NAME	REMARKS	QT.
  * 1	ZCRCW410□-FBK	FRONT CABI ASS'Y	INCLUDED REF. NO. 3,4,5,6	1
2	VGS1001-008	SPEAKER	LEFT_RIGHT	2
3	VJD2333-003	TOP PANEL	ZEI I X KIGIII	1
4	VYH6988-002	SHIELD		1
5	VJK3442-003	LCD LENS		$-\frac{1}{1}$
6	VJD5188-002	ESCUTCHEON		1
7	GBSF3010Z	TAPPING SCREW	FOR SPK+F.CAB.	
8	VYH6828-001	BRACKET	FOR SPRTF.CAB.	8
10	SDST3008Z	SCREW		1
11	VYH5601-001	GEAR		1 2
12	VYH5896-001	DAMP HOLDER		
13	SDSF3012Z	SCREW	D 1101 DED : E 040	1
1		REC LEVER	D.HOLDER+F.CAB.	1
14	VYH6810-002	l .	DEC 1545D	1
15	SBSF3025Z	SCREW	REC LEVER	1
16	VYH6985-001	BRACKET		1
17	VYH6829-002	LCD CASE	LCD	1
18	SBSF3008Z	SCREW	LCD CASE+F.CAB.	2
19	SDSF3012Z	SCREW	FOR AMP+V.HOL.	3
20	VYH2224-001	VOL HOLDER		1
21	VYH6987-001	MIC HOLDER		1
22	SDSF3012Z	SCREW	M.HOL.+VOL.HOL.	- 2
23	VXS3032-001	SLIDE KNOB	FUNCTION	1
24	SBSF3045M	SCREW	V.HOL.+F.CAB.	1
25	SBSF3045M	SCREW		1
27	VXS4306-001	SLIDE KNOB	VOLUME	1
28	VXS4317-001	SLIDE KNOB	S.E.A	4
29	VXP3265-001	PUSH KNOB	SCAN, SEEK	1
30	VXP3275-001	PUSH KNOB	TUNER	1
31	VXS3031-001	SLIDE KNOB	NOM/MTL MON/ST	1
32	VXS3031-001	SLIDE KNOB	3 D	1
33	SBSF2608Z	SCREW	P.KNOB+F.CAB.	6
34	SDSF3012Z	SCREW	MECHA+F.CAB.	8
35	VXP3266-005	MECHA BUTTON	PAUSE(B)	1
36	VXP3266-006	MECHA BUTTON	STOP/EJECT(B)	1
37	VXP3266-002	MECHA BUTTON	FF(A)	1
	VXP3266-007	MECHA BUTTON	FF(B)	1
38	VXP3266-003	MECHA BUTTON	REW(A)	1
	VXP3266-008	MECHA BUTTON	REW(B)	1
39	VXP3266-009	MECHA BUTTON	PLAY(B)	1
40	VXP3266-010	MECHA BUTTON	REC.(B)	1
41	VXP3266-004	MECHA BUTTON	PLAY(A)	1
43	SDST2004Z	SCREW		11
45	VYH6915-001	REC.SPRING		1
46	SDST2004Z	SCREW		1
47	VJC1743-004	R CABINET		1
48	VYH1183-002	3D BASE		1
49	VYH6856-001	COVER(A)		1
50	SDSF3016Z	TAP.SCREW	COVER+BASE	7
51	SDSF3016Z	TAP.SCREW	BASE+R.CAB.	8
52	EAS8PXXX	SPEAKER	WOOFER	1
53	VYH6897-002	SHEET	WOO! LIV	- 1
1	1	SCREW	D CAB LCOVED (A)	1
54	SSSF3010Z	I	R.CAB.+COVER(A)	2
	SSSF3010Z	SCREW	WOOFER+R.CAB.	2
56	SDSF3016Z	TAP.SCREW		4

Δ	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
F				R DWITTERS	
	57	VYH5657-004	BATTERY SPRING		1
	58 59	VYH6989-001	COVER(C)		1
	I	VYH6989-002 VYH5483-001	COVER(D)		1
	60		BATTERY SPRING		2
	61	VJA3006-00E	ROD ANTENNA		1
	62	SDSP3016R	SCREW	ROD ANT . + R . CAB .	1
	63	SBSF4020Z	SCREW	TRANS+R.CAB.	1
	65	VYH6849-002	AC BRACKET		1
	67	SDSP4006Z	SCREW	T.BKT+TRANS	2
-	68	VYH3507-001	TRANS BRACKET		1
	69	VYH3508-001	HEAT SHINK		1
	70	SBSF3008Z	SCREW	H_SINK+P.PWB	2 3
	71	SBSF2608Z	SCREW	H.SINK+IC	
	72	VJH4101-00A	HANDLE ASS'Y		1
	73	VJC3185-001	BATTERY COVER		1
	74	SBSF3018Z	SCREW	FRONT+REAR	5
	75	SBSF3045Z	SCREW		1
	76	VYN5131-004	NAME PLATE	RC-W410B	1
	76 76	VYN5131-002	NAME PLATE	RC-W410E	
-	76	VYN5131-005	NAME PLATE	RC-W410G	
	77	VJT2191-001	CASSETTE DOOR		1
	78	VJT3261-001	DOOR LENS		1
	79	VJD5162-002	ORNAMENT		1 1
	80	VJT2191-002	CASSETTE DOOR		1
	81	VJT3261-003	DOOR LENS		1
	82	VJD5162-002	ORNAMENT		1
	83	VYH5538-001	CASSETTE SPRING		2
	84	VYH6855-002	DOOR SPRING		2
	85	SDSF3012Z	SCREW		2
_	86	VXP3266-001	MECHA BUTTON	STOP/EJECT(A)	1
	87	VYH7018-001	SPACER	3D, MON/ST SW.	2
	88	VYH7019-001	STOPPER		1 1
	90	VYH7018-002	SPACER	FUNCTION SW.	1
	92	VYH5012-004	TERMINAL LUG		1
Δ	93	VTP54P2-12IBS	POWER TRANS	T901	1
	95	VYH6895-001	SHEET		1
	96	VYSR102-040	SPACER		2
	97	VYSR102-042	SPACER		1
	101	VYH6850-001	AC SLIDER		1
4					

#### Note:

When placing an order for this assembly, put an applicable symbol (B, E, G etc.) of the set into the box ( $\Box$ ) of the parts number.

# The Parts List Can be found on page 28. 13 Exploded View of Mechanism Assembly 3 Α 75 В С D Е 85 M PULLEY 压入寸法 MOTOR ASS'Y 1921 12 319 G

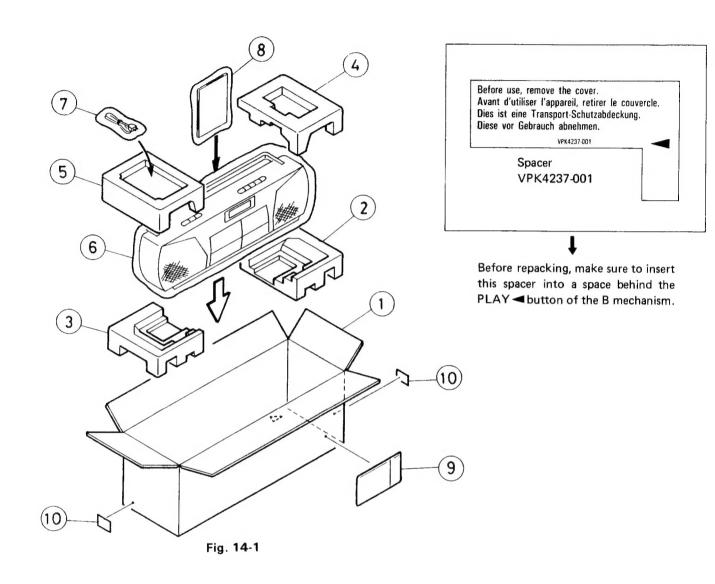
Fig. 13-1

#### ■ Mechanism Assembly Parts List

⚠	Symbol No.	Parts No.	Parts Name	Remarks	Qʻty
	1	192114301T	Base Ass'y		2
	2	19211409T	Switch Actuator		2
	3	19211438T	Push Button Actuator		2
	4	19211403T	REC Button Lever		1
	5	19211419T	PLAY Button Lever		2
	6	19211404T	REW Button Lever		2
	7	19211405T	FF Button Lever		2
	8	19211406T	STOP Button Lever		2
	9	19211460T	PAUSE Button Lever		1
	10	19211413AT	Spring	for P. Control	1
	11	19211455T	PAUSE Lever (E)		1
	12	19211412T	Spring	for PAUSE Lever	1
	13	19211411T	PAUSE Stopper		1
	14	19211414T	Spring	for Button Lever (A)	3
	15	192101501T	Chassis Ass'y		2
	16	19211416T	Spring	for E. Actuator	2
	17	19211417T	Spring	for P.S. Lever	2
	19	182101159T	E. Kick Lever	10. 110. 2010.	2
	20	19211420T	PR Stopper		2
	21	18211421T	Spring	for REC Button Lever	2
	22	19211433T	Spring	for Button Lever	1
		640101149T	Leaf Switch	MSW-1541T	2
	23		Leaf Switch	MSW-17820MVDO	1
	24	640101161T	Head Panel	W3W-17820W V DO	2
_	25	19210301T			2
	27	19210304AT	Head Base	for MG Arm	1
	28	19210310T	Spring	for Panel P.	2
	29 30	19210303T 19211418T	Spring Spring	for M. Control	2
				101 W. Colleton	1
	31	19211434T	P. Arm		1
	32	19211437T	P. Arm Collar	for Erase Head	1
	33	19210305T	Magnet Arm		2
	34	18210307T	Spring	for Azimuth	2
	35	192104301T	Pinch Roller Arm Ass'y		
	38	19212604T	Sensing Lever		2
	39	192107302T	RF Clutch Ass'y		2 2
	40	19210703T	RF Belt		
	43	192109304T	Flywheel Ass'y		1
	44	192109303T	Flywheel Ass'y		1
	45	19212605T	Spring	for Gear Plate	2
	46	192126502T	Gear Plate Ass'y		2
	47	19212602T	Cam Gear		2
	49	18211070T	FF Gear		2
	50	18291010T	Spring	for Back Tension	2
	51	192105304T	Supply Reel Ass'y		2
	52	192105303T	Take-up Reel Ass'y		2
	53	19210506T	Sensor		2
	54	19211229T	Motor Bracket (A)		1
	55	19211230T	Motor Bracket (B)		1
	56	18211266T	Motor Rubber		3
	57	18511418T	Collar Screw	for Motor	3
	59	182122T	Main Belt		1
	60	192112T	Anti Vibration Felt Mat		1

$\triangle$	Symbol No.	Parts No.	Parts Name	Remarks	Q'ty
	61	18201354T	Anti Vibration Felt Mat		2
	62	19211301T	Eject Slide Lever		2
	63	18211249T	Main Belt		1
	64	18291001T	Pack Spring		2
	65	62020178T	Head	283-30-69 for Playback	1
	66	62020178T	Head	283-30-69 for Recording	1
	67	62121003T	Erase Head	EMH-EA60B	1
	68	192112319T	Motor	MMI-6H2RWSK • 60050350T	1
	69	18211069T	Record Safety Lever		1
	71	91790000T	Tapping Screw	C. Tight M2 x 3 (for Symbol No. 64)	2
	72	91800000T	Tapping Screw	C. Tight M2 x 4 (for Symbol No. 54)	9
	73	96790000T	Tapping Screw	P. Tight Bind M2 x 5 (for Symbol Nos. 1, 15)	4
	74	99991809T	Tapping Screw (Small)	M2 x 4.5 for Precision Machine (Symbol No. 15)	6
	75	90040000T	Screw	M2 x 6 (Pan Head) (for Symbol No. 27)	2
	76	99992018T	Tapping Screw	PS Tight M2 x 3.5 (for Symbol No. 31)	1
	77	91150000T	Screw	+ Bind M2 x 3 (for Symbol No. 66)	2
	78	99220000T	Screw	M2 x 7 for Azimuth	2
	79	91820000T	Tapping Screw	C. Tight M2 x 6 (for Symbol No. 91)	1
	83	94220000T	Washer	Polyslider cut 1.2 x 3.8 x 0.3	2
	84	99990313T	Washer	Polyslider cut 1.45 x 3.8 x 0.5	2
	85	97860000T	Washer	Polyslider cut 2 x 3.5 x 0.3	2
	91	19211209T	P. Kick Lever (B)		1
	92	19211231T	P. Kick Lever (A)		1
1	93	18211223T	Collar Screw (A)	for PK (Symbol No. 92)	1
	94	18211265T	Collar (B)	for PK (Symbol No. 91)	1
	95	18211225T	Spring	for P. Kick Lever	1 1

# 14 Packing Illustration and Parts List



#### ■ Packing Parts List

$\triangle$	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VPC5131-001	Carton		1
İ	2	VPH1443-001	Cushion	Right, Bottom	1
	3	VPH1443-002	Cushion	Left, Bottom	1
	4	VPH1444-001	Cushion	Right, Upper	1
	5	VPH1444-002	Cushion	Left, Upper	1
	6	VPH3005-030	Poly Bag	For Set	1
	7	QPGA012-02505	Poly Bag	For Power Cord	1
	8	VPE3005-004	Poly Bag	For Instruction Book	1
	9	E66416-003	Envelope	For Warranty Card (B/G version)	1
	10	VND3046-003	Serial Ticket	Blue: RC-W410E	2
	10	VND3046-004	Serial Ticket	Green: RC-W410B	1
	10	VND3046-005	Serial Ticket	Pink: RC-W410G	1
	10	VND3046-001	Serial Ticket	White: RC-W410GI/V/VX	1

# 15 Accessories

$\triangle$	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
		VNN5131-211 VNN5131-441 BT20060 BT20066A	Instruction Book Instruction Book Warranty Card Warranty Card	RC-W410 RC-W410E RC-W410B RC-W410B/G	1 1 1
Δ		BT20065A PU36158 E43486-340B QMP3950-183 QMP9017-009BS	Warranty Card FTZ INF. SHEET Safety Instruction Book Power Cord	RC-W410G RC-W410G RC-W410B RC-W410E/G RC-W410B	1 1 1 1 1 1